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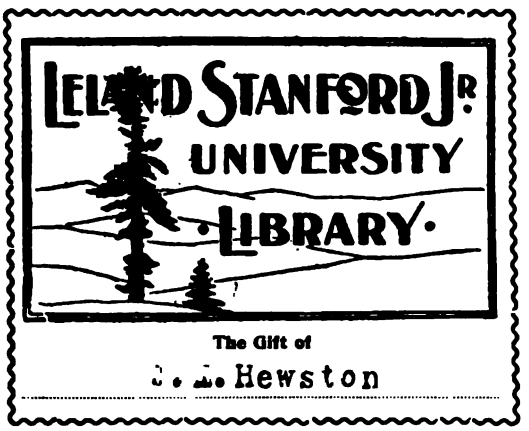
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GENERAL NOTE.

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Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	26.5	762.90	29.906	79.4	30.018	29.882	....	73.1	69.5	.675	83.	358	..	..	.8	Cu., Ci-cu., N.
	1	25.9	762.60	29.896	78.8	30.010	29.875	....	73.	70.5	.712	83.	18	..	..	.4	Cu., Ci-cu., N.
	2	25.5	762.65	29.899	78.1	30.012	29.879	....	74.1	71.2	.734	82.	144	..	..	1.0	Cu., Ci-cu., Ci-s.
	3	25.2	762 00	29.875	77.	30.000	29.870	....	73.	70.	.694	82.	230	..	..	.9	Cu. Ci-cu., N.
	4	25.	762.30	29.888	77.	30.012	29.882	....	73.	70.5	.712	82.	230	..	..	.8	Cu., Ci-cu., N.
	5	24.8	762.85	29.912	77.	30 016	29.886	....	72.4	70.5	.718	81.5	230	..	..	.5	Cu., Ci cu.
	6	25.5	763.00	29.912	77.	30.024	29.894	....	75.5	73.	.774	81.5	315	..	..	.2	Cu., Ci-cu.
	7	26.5	763.25	29.919	78.	30.034	29.901	....	78.	73.6	.769	81.	25	..	..	.4	Cu., Ci-cu.
	8	27.7	763.45	29.918	79.	30.050	29.915	....	78.5	73.9	.772	80.9	15	..	..	.4	Ci., Ci-cu.
	9	27.5	763.40	29.919	80.	30.050	29.912	....	80.	75.	.799	80.	40	..	..	.3	Ci., Ci-cu.
	10	28.	763.60	29.925	81.2	30.058	29.917	....	82.5	77.3	.862	80.	20	..	..	.1	Ci., Ci-cu.
	11	29.5	763.75	29.922	83.	30.050	29.904	....	84.2	78.	.872	76.	20	.1	..	..	Clear.
	12	30.	763.85	29.925	84.3	30.050	29.900	....	85.	77.	.822	77.5	35	.2	..	.8	Cu.
	13	30.8	763.90	29.923	85.5	30.051	29.902	....	86.3	78.	.849	76.5	56	.3	..	.8	Cu.
	14	31.7	763.75	29 913	86.3	30.050	29.896	....	87.3	77.5	.817	72.2	50	.2	..	.6	Cu.
	15	32.2	763.70	29.909	87.3	30.030	29.892	....	88.	78.	.830	72.2	50	.4	..	.7	Cu.
	16	31.6	763.10	29.887	87.7	30.028	29.870	....	86 8	80.8	.961	72.	130	..	..	.7	Cu., Ci-s.
	17	32.8	763.25	29.888	87.9	30.040	29.881	....	87.5	78.	.835	72.	355	.7	..	.8	Cu., N.
	18	31.8	763.70	29.911	88.2	30.060	29.901	....	85.5	78.	.857	74.3	305	.2	..	.9	Cu., N.
	19	30.9	764.25	29.937	87.8	30.072	29.913	....	83.	78.	.885	75.	325	.6	..	1.0	Cu., N.
	20	....	.....	*29.958	....	.....	*29.930	....	*76.7	....	*.820	*79.6	250	2.5	..	1.0	N., thunder storm.
	21	29.5	765.15	29.979	85.	30.113	29.962	....	72.	71.5	.757	80.	250	1.0	3.34	1.0	N., thunder.
	22	29.5	765.25	29.983	83.5	30.117	29.970	....	73.	71.5	.747	76.	280	..	..	.5	N., Cu.
	23	29.	765.25	29.985	83.9	30.117	29.968	....	72.	70.3	.715	87.	305	..	..	.8	N., Cu.

* Supplied.

Observed dew point: 3*h*, 63°.2; 9*h*., 70°.5; 15*h*., 74°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
4	0	25.6	765.60	30.015	78.2	30.128	29.995	....	69.6	68.	.663	87.8	38	.1	..	1.0	N., Ci-cu.
	1	25.2	765.20	30.001	77.1	30.116	29.986	....	69.5	68.	.664	87.8	40	..	..	1.0	N., Ci-cu.
	2	25.	765.00	29.994	76.4	30.108	29.980	....	69.4	68.	.665	88.	43	..	..	1.0	N.
	3	24.7	764.85	29.990	75.9	30.092	29.965	....	69.7	68.5	.679	88.2	37	..	..	1.0	N.
	4	24.8	764.90	29.993	74.3	30.104	29.981	....	70.5	69.3	.698	88.	45	..	..	1.0	N.
	5	24.5	765.00	29.997	75.5	30.112	29.986	....	70.	69.	.693	88.	45	..	..	1.0	Ci., Ci-cu.
	6	23.	765.00	30.004	75.	30.112	29.987	....	71.	69.8	.709	88.	45	..	..	.9	Ci., Ci-cu.
	7	24.	765.35	30.012	74.9	30.120	29.995	....	72.6	71.1	.737	88.	45	..	..	1.0	Ci., Ci-cu.
	8	24.5	765.45	30.015	75.	30.126	30.001	....	74.	71.4	.732	87.	50	..	..	1.0	Cu.
	9	24.6	765.55	30.018	75.1	30.132	30.007	....	75.5	72.	.737	86.	50	..	..	1.0	Cu.
	10	25.	765.00	30.018	75.9	30.140	30.013	....	76.2	71.6	.715	84.	65	..	..	1.0	Ci. and Ci-cu.
	11	26.	765.75	30.019	77.	30.140	30.010	....	79.	73.5	.752	82.5	30	..	..	.8	Ci. and Ci-cu.
	12	26.5	765.50	30.008	77.9	30.129	29.998	....	79.9	74.	.759	81.5	45	..	..	.4	Ci. and Ci-cu.
	13	26.8	764.80	29.979	78.5	30.093	29.959	....	81.4	75.	.783	81.	75	..	..	.6	Ci. and Ci-cu.
	14	27.	764.40	29.962	79.2	30.082	29.946	....	79.6	72.5	.710	79.9	30	..	..	.8	Ci. and Ci-cu.
	15	27.2	764.15	29.950	79.8	30.076	29.938	....	79.8	73.	.726	80.	40	..	..	.9	Ci. and Ci-cu.
	16	27.5	763.95	29.941	80.	30.070	29.932	....	81.	73.8	.743	80.	35	..	..	.8	Ci. and Ci-cu.
	17	27.8	763.70	29.930	80.3	30.058	29.919	....	80.4	73.3	.736	79.8	25	..	..	1.0	Ci. and [illegible]
	18	27.4	763.50	29.923	80.6	30.058	29.919	....	79.5	74.	.788	85.	10	.1	..	1.0	Ci. and [illegible]
	19	27.5	763.60	29.927	80.6	30.058	29.919	....	77.	73.5	.775	85.2	0	..	..	1.0	Ci. and [illegible]
	20	27.1	763.60	29.930	80.2	30.060	29.922	....	74.7	72.	.745	86.	0	..	..	1.0	Cu., N.
	21	27.1	763.75	29.936	80.1	30.062	29.924	....	74.4	71.9	.746	86.	0	..	..	1.0	Cu., N.
	22	26.6	763.85	29.941	79.4	30.050	29.914	....	73.3	71.1	.729	87.2	12	..	..	.4	Ci-s
	23	26.2	764.20	29.958	78.8	30.056	29.921	....	72.3	70.	.702	87.5	24	..	..	.5	Ci-s

Observed dew point: 3h., 64°.2 [illegible]8°; 15h., 69°

Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, i	Hygr., Saussure	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10	Clouds, and direction of their strata.
5	0	26.2	765.20	29.997	78.3	30.062	29.928	....	71.4	69.3	.688	....	18	..	..	.7	Ci s., Ci-cu., N.
	1	26.1	763.40	29.926	77.9	30.038	29.905	....	70.6	68.6	.673	....	16	..	..	.8	Ci s , N.
	2	25.7	763.05	29.914	77.6	30.018	29.887	....	70.4	68.5	.671	92.7	13	..	..	.5	Ci s., Ci-cu., N.
	3	25.6	762.30	29.885	77.2	30.050	29.870	....	70.	69.	.693	92.3	13	..	..	.8	Ci-s., Ci-cu.
	4	25.3	762.35	29.889	76.8	30.008	29.878	....	70.4	69.	.689	91.6	20	..	..	1.0	Ci-s., Ci-cu.
	5	25.8	762.35	29.890	76.4	30.012	29.884	....	70.9	69.	.683	90.8	30	..	..	1.0	Ci-s , Ci-cu.
	6	25.	762.45	29.891	76.	30.014	29.887	....	71.3	69.4	.692	90.6	30	..	..	1.0	Ci-s , Ci-cu.
	7	25.	763.50	29.896	76.	30.014	29.887	....	72.3	70.	.702	90.	40	..	..	1.0	Ci-s., Ci-cu.
	8	25.	762.60	29.904	76.	30.010	29.889	....	73.4	70.8	.717	87.2	40	..	..	1.0	Ci-s., Ci-cu.
	9	23.1	762.50	29.896	76.1	30.008	29.881	....	74.6	71.5	.729	89.	41	.1	..	1.0	Ci-s., Ci-cu.
	10	25.5	762.50	29.893	76.9	30.010	29.870	....	76.	72.	.731	86.5	60	.2	..	1.0	Ci-s., Ci-cu.
	11	25.8	762.60	29.876	77.	30.015	29.885	....	76.5	72.4	.741	86.5	40	.2	..	1.0	Ci-s., Ci-cu.
	12	26.2	762.60	29.895	77.8	30.018	29.885	....	78.5	74.	.777	84.8	20	.1	..	1.0	Ci s., Ci cu.
	13	26.1	762.40	29.887	78.	30.004	29.871	....	79.4	74.	.786	84.1	45	.2	..	1.0	Ci-s., Ci-cu.
	14	27.	762.00	29.867	78.8	29.996	29.861	....	80.8	76.	.829	82.	20	.3	..	1.0	Ci s , Ci-cu.
	15	27.	761.95	29.865	79.4	29.994	29.858	....	80.8	75.5	.810	82.	30	.4	..	1.0	Ci-s., Ci-cu.
	16	27.2	761 60	29.850	79.8	29.972	29.834	....	80 4	74.5	.775	81.9	30	.4	..	1.0	Ci-s., Ci-cu.
	17	27.5	761.30	29.837	80.1	29.968	29.830	....	79.	73.9	.768	83.5	15	.5	..	1.0	Ci s., Ci-cu.
	18	27.4	761.50	29.845	80.1	29.976	29.838	....	78.	73.6	.768	85.	20	.2	..	1.0	Ci s., a few Cu.
	19	27.3	761.85	29.860	80.	29.984	29.846	....	76.	71.5	.713	85.5	25	.7	..	1.0	Ci-s.
	20	27.	761.70	29.856	79.5	29.982	29.846	....	74.	71.	.718	87.5	20	..	..	1.0	Ci s.
	21	26.9	762.00	29.867	79.	29.984	29.849	....	73.	70.5	.712	89.	40	..	..	1.0	Ci s. at Hor.
	22	26.1	762.15	29.877	78.6	29.982	29.848	....	73.3	69.5	.684	89.8	40	.1	..	1.0	Ci s. at Hor.
	23	25.6	762.00	29.873	77 9	29.974	29.841	....	70.7	68.	.651	89.9	33	.1	..	1.0	Ci-s. at Hor.

Observed dew point: 3*h*., 68°; 9*h*., 69°; 15*h*., 69°; 21*h*., 67°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
6	0	25.5	762.06	29.873	77.3	29.982	29.851	....	69.9	67.9	.657	90.	27	..	..	..	Clear.
	1	24.9	761.65	29.865	76.4	29.966	29 838	....	69.2	67.9	.665	92.2	15	..	..	.3	S., Ci s.
	2	24.1	761.50	29.861	75.1	29.950	29.825	....	68.	67.	.648	93.	4	..	..	1.0	S., N.
	3	24.3	761.00	29.840	74.6	29.944	29.821	....	70.	68.8	.686	93.	15	..	..	1.0	S., N.
	4	24.3	761.15	29.846	74.5	29.948	29.825	....	70.5	69.4	.701	93.	10	..	..	1.0	S., Ci-s., Ci-cu.
	5	24.3	761.45	29.858	74.6	29.968	29.845	....	71.	69.7	.706	93.	20	..	..	1.0	Ci-s., Ci-cu.
	6	24.3	761.65	29.866	74.8	29.970	29 846	....	71.8	69.8	.700	93.	40	..	..	1.0	Ci-s., Ci-cu.
	7	24.3	762.00	29.879	75.	29.980	29.855	....	72.	69.	.671	92.	40	..	..	1.0	Ci-s., Ci-cu.
	8	24.5	762.10	29.883	75.	29.984	29.859	....	72.5	70.3	.710	91.	35	.2	.78	1.0	Ci-s., Ci-cu.
	9	24.5	761.75	29.870	75.	29.976	29.851	....	75.4	71.	.725	91.	35	..	.50	1.0	N., Ci-s., Ci-cu.
	10	24.2	762.60	29.904	75.2	30.018	29 893	....	66.8	66.2	.635	93.	35	..	.45	1.0	N., raining.
	11	24.1	762.50	29.900	75.1	30.018	29.893	....	67.	66.5	.642	93.2	40	..	..	1.0	N., raining.
	12	24.	762.65	29.906	74.7	30.011	29.887	....	67.5	67.	.653	93.	45	..	..	1.0	N., raining.
	13	24.	762.15	29.886	74.5	30.000	29.877	....	70.5	69.1	.694	92.	55	..	..	1.0	N.
	14	24.2	761.75	29.871	74.5	29.982	29.859	....	73.5	71.5	.741	89.	40	.1	.03	1.0	N.
	15	24.8	762.00	29.884	74.9	29.992	29.867	....	75.	71.5	.724	83.5	350	..	.02	1.0	N.
	16	24.9	762.15	29.883	75.2	29.997	29.872	....	71.5	67.5	.626	86.8	350	..	..	1.0	N., Ci s.
	17	25.	762.50	29.896	75.8	30.006	29.879	....	72.2	69.5	.685	88.	110	..	..	1.0	N., raining.
	18	25.	763.00	29.915	75.8	30.032	29.905	....	72.2	69.5	.687	88..	110	..	..	1.0	Ci s.
	19	25.	763.00	29.915	75.5	30.030	29.904	....	71.2	69.	.680	89.9	110	..	..	1.0	Ci-s., Cu.
	20	25.	763.55	29.937	75.1	30.042	29.917	....	69.6	68.4	.677	91.	110	..	..	1.0	Ci., Cu., and Ci-s.
	21	24.5	763.90	29.954	75.	30.056	29.931	....	69.5	68.	.665	91.	113	..	..	1.0	Ci s. and N.
	22	23.8	764.40	29.976	74.2	30.076	29.954	....	68.1	67.	.647	90.9	113	..	..	.9	Ci s.
	23	23.7	764.70	29.990	73.9	30.084	29.962	....	67.4	64.7	.581	88.8	113	..	..	1.0	Ci-s., N.

Observed dew point: 3h., 68°; 9h., 71°; 15h., 70°.5; 21h., 59°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
7	0	23.5	765.00	30.001	73.4	30.110	29.990	....	65.8	62.	.516	87.5	210	..	..	1.0	N.
	1	23.2	765.60	30.026	73.	30.120	30.001	....	64.	60.5	.493	86.	210	..	..	1.0	N.
	2	23.	765.75	30.034	72.6	30.130	30.012	....	62.6	59.3	.474	84.5	208	..	..	.8	Ci-cu., Ci-s.
	3	22.6	765.60	30.030	71.8	30.128	30.011	....	61.1	58.	.454	85.	200	..	..	1.0	Ci., Cu., N.
	4	22.5	765.85	30.040	71.2	30.142	30 028	....	61.	57.7	.448	84.5	195	..	..	1.0	Ci., Cu., N.
	5	22.4	766.50	30.066	70.9	30.164	30.050	....	61.	56.1	.404	80.	200	..	..	1.0	Ci., Cu., N.
	6	21.5	767.00	30.091	70.	30 182	30.071	....	61.2	56.1	.400	78.	225	..	..	.9	Ci., Cu., N.
	7	21.6	767.05	30.092	69.8	30.184	30 073	....	63.4	57.9	.426	78.5	240	..	..	.6	Ci., Cu., N.
	8	20.9	767.90	30.093	68.9	30.182	30.073	....	65.6	59.	.432	75.	255	..	..	.4	Ci., Cu., N.
	9	21.3	767.60	30.115	69.	30.198	30.089	....	67.	59.4	.428	72.	210	..	..	.8	Ci-cu and Cu.
	10	21.3	768.00	30.131	69.	30.232	30.123	....	68.5	61.	.457	71.9	220	..	..	1.0	Ci cu. and Cu.
	11	21.8	768.00	30.128	69.4	30.230	30.120	....	69.5	61.	.446	70.	230	..	..	1.0	Ci-cu. and Cu.
	12	22.2	768.00	30.126	70.	30.230	30.119	....	70.3	60.5	.420	66.1	250	..	..	1.0	Ci cu. and Cu.
	13	23.	767.75	30.113	71.	30.216	30.102	....	71.8	62.3	.459	66.1	250	..	..	.6	Ci cu. and Cu.
	14	23.2	767.15	30.087	71.8	30.208	30.091	....	73.	65.5	.544	71.	280	..	..	.3	Ci-cu. and Cu.
	15	23.9	766 80	30.071	72.5	30.180	30.062	....	73.5	66.5	.570	70.	255	..	..	..	Hazy, small Cu.
	16	24.2	766.50	30.058	73.8	30.164	30.042	....	74.7	67.	.573	73.	258	..	..	..	Hazy.
	17	24.5	766 15	30.013	74.2	30.162	30.040	....	75.3	67.8	.593	73.5	250	..	..	.2	Ci., few Cu.
	18	24.5	766.50	30.057	74.9	30.164	30.039	....	74.5	67.3	.585	74.	250	..	..	.4	Ci., Ci-cu.
	19	24.2	766.60	30.062	74.9	30.168	30.043	....	72.5	66.4	.578	76.	250	..	..	.5	Ci., Cu.
	20	24.5	766.75	30.067	74.5	30.178	30.055	....	69.2	65.5	.587	82.5	310	..	..	.3	Ci., Cu.
	21	23.1	767.00	30.082	74.	30.196	30.074	....	68.	65.	.583	83.	315	..	..	..	Ci., Cu.
	22	23.	766.10	30.048	73.3	30.188	30.068	....	66.7	64.9	.595	91.3	320	..	..	.3	Ci., Cu.
	23	22.7	766.90	30.081	72.7	30.182	30.064	....	65.6	63.8	.573	91.2	324	..	..	..	Ci., Cu.

Observed dew point: 3*h*., 55°; 15*h*., 62°.5; 21*h*., 61°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
8	0	22.2	766.75	30.077	72.	30.172	30.055	....	66.1	64.6	.592	91.5	324	..	..	.9	Ci., S.
	1	22.2	766.15	30.073	71.5	30.164	30.049	....	66.4	64.8	.595	91.5	324	..	..	.9	S.
	2	21.9	766.20	30.057	71.2	30.156	30.042	....	66.1	64.2	.580	91.2	324	..	..	.9	S.
	3	22.	765.55	30.031	70.4	30.136	30.024	....	65.5	64.8	.605	92.	324	..	..	1.0	Ci-s.
	4	22.5	765.70	30.034	70.5	30.140	30.028	....	65.8	64.4	.589	90.	325	..	..	1.0	Ci-s., S.
	5	22.3	765.70	30.035	71.	30.144	30.030	....	65.7	64.7	.600	90.	325	..	..	1.0	Ci-s., N.
	6	22.2	765.85	30.041	71.	30.148	30.034	....	66.	65.	.606	90.	325	..	..	1.0	Ci-s., N.
	7	22.1	765.95	30.045	71.	30.162	30.048	....	67.	65.6	.614	90.	235	..	..	1.0	Ci-s., N.
	8	22.5	766.00	30.046	71.2	30.164	30.050	....	68.9	66.9	.635	90.	255	..	..	1.0	Ci s., N.
	9	22.2	765.95	30.045	71.2	30.160	30.046	....	69.5	67.4	.645	90.	260	..	..	1.0	N., raining.
	10	22.7	765.40	30.021	71.8	30.118	30.001	....	72.6	70.	.698	85.3	295	..	..	1.0	Ci., Ci-cu., N.
	11	23.1	765.30	30.016	72.4	30.116	29.998	....	75.	71.	.707	85.5	340	..	..	1.0	Ci-cu., N.
	12	23.9	764.75	29.990	73.2	30.092	29.963	....	77.	73.	.757	85.	345	..	..	1.0	Ci cu., N.
	13	24.5	764.75	29.988	74.2	30.090	29.968	....	79.	73.5	.753	82.5	5	..	..	1.0	Ci-cu., N.
	14	24.8	763.75	29.947	75 2	30.058	29.933	....	76.1	73.3	.778	87.5	5	..	..	1.0	Cu-s., N.
	15	24.8	763 60	29.941	75.6	30.050	29.924	....	73.6	71.5	.751	96.	55	..	.31	1.0	N., raining.
	16	25.2	763.00	29.914	76.	30.023	29.896	....	78.4	74.8	.809	88.	5	.2	.04	.4	Light Ci., Ci-cu., Cu-s.
	17	26.	762.65	29.897	77.	30.013	29.883	....	80.	74.8	.791	83.	0	.7	..	.1	Ci., Ci-cu., Cu.
	18	26.2	762.80	29.903	77.8	30.018	29.885	....	77.	74.5	.771	85.	0	1.0	..	..	Hazy, Cu-s., Ci.
	19	26.	762.75	29.901	78.	30.020	29.887	....	76.4	73.4	.777	85.8	0	.2	..	.6	Hazy, Cu., Ci.
	20	26.	763.10	29.914	77.8	30.024	29.901	....	74.7	72.1	.749	89.2	350	..	..	1.0	Cu-s., N.
	21	26.	763.10	29.914	77.6	30.034	29.901	....	74.	71.8	.745	89.7	348	.3	..	1.0	Cu-s., N.
	22	25.7	763.15	29.918	77.5	30.030	29 889	....	73.5	71.5	.741	89.2	346	.1	..	.9	Cu., Ci-cu.
	23	25.7	763.00	29.912	77.3	30.016	29.885	....	72.7	71.	.732	89.	17	.1	..	.8	Cu., Ci-cu.

Observed dew point: 3h., 61°.8; 9h., 68°; 15h., 71°.3; 21h., 69°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
9	0	25.7	762.15	29.918	77.1	30.028	29.898	....	72.5	71.1	.738	90.8	10	..	..	.7	Cu., N.
	1	25.4	762.70	29.903	76.9	30.010	29 880	....	72.1	70.7	.729	90.8	4	..	..	.3	Ci-s.
	2	25.2	762.10	29.879	76.5	29.976	29.848	....	71.8	70.5	.725	90.8	352	..	..	..	Clear.
	3	25.3	761.75	29.866	76.1	29.974	29.847	....	72.	70.7	.730	91.	5	..	..	.3	N.
	4	25.2	761.90	29.872	76.	29.984	29.857	....	72.5	70.	.700	91.	20	.2	..	.6	Cu.
	5	25.2	762.30	29.887	76.	30.000	29.873	....	72.7	71.	.732	90.8	20	.4	..	.7	Cu.
	6	....	.....	*29.898	....	.....	*29.890	....	*72.6	....	*.733	*91.1	20	.3	..	..	
	7	....	.....	*29.908	....	.....	*29.903	....	*73.5	....	*.749	*90.7	40	.3	..	..	
	8	25.	762.85	29.910	76.	30.036	29.909	....	74.5	72.5	.766	90.	52	.7	.11	1.0	Ci., Cu., and N.
	9	25.1	762.95	29.914	76.	30.027	29.900	....	76.	72.7	.757	88.	30	.2	..	1.0	Cu s., N.
	10	25.	763.70	29.943	76.2	30.056	29.929	....	70.	68.8	.686	92.5	50	1.8	.31	1.0	Cu-s., N.
	11	25.1	763.60	29.939	76.2	30.050	29.923	....	75.6	72.4	.751	88.5	55	.2	.01	1.0	Ci., Ci-cu., Cu-s., N.
	12	25.9	763.60	29.935	77.	30.050	29.920	....	78.5	74.	.777	84.3	35	.1	..	1.0	Ci., Ci-cu., Cu-s., N.
	13	26.	763.65	29.937	77.2	30.052	29.922	....	77.2	70.7	.672	80.	80	..	..	1.0	Ci-cu., Cu-s., N.
	14	26.1	763.85	29.944	77.8	30.060	29.928	....	77.5	70 5	.662	78.	115	..	..	1.0	Ci-cu., Cu-s., N.
	15	26.	764.10	29.955	78.	30.066	29 933	....	76.7	70.4	.667	79.	115	..	..	1.0	Ci-cu., Cu-s., N.
	16	25.8	764.40	29.967	77.8	30.080	29.948	....	76.8	69.8	.645	80.	70	..	..	1.0	Ci cu., Cu-s., N.
	17	25.2	764.25	29.964	77.2	30.077	29.947	....	74.	70.	.682	84.	40	..	..	1.0	Ci cu., Cu-s., N.
	18	25.2	763.90	29.950	76.9	30.068	29.938	....	73.	70.	.693	89.	10	..	..	1.0	N., Ci-s.
	19	25.2	763.95	29.952	77.	30.074	29.944	....	72.	69.5	.688	89.	20	..	..	1.0	N., Ci-s.
	20	25.2	764.30	29.966	77.	30.080	29.950	....	70.7	69.	.685	94.5	350	..	..	1.0	N., Ci s.
	21	25.2	765.15	29.999	76.8	30.106	29.976	....	70.1	68.	.658	92.2	356	..	..	1.0	N., Ci-s.
	22	25.1	765.25	30.004	76.3	30.114	29.986	....	69.5	68.4	.678	92.8	358	..	..	1.0	N., Ci s.
	23	....	.....	*30.010	....	.....	*29.992	....	*69.	....	*.685	*93.	..	..	..	..	

* Supplied.

Observed dew point: 3*h*., 65°.1; 9*h*., 70°.6; 15*h*., 65°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
2	0	28.2	764.70	29.967	83.	30.096	29.950	....	72.	70.	.705	....	20	..	..	.1	Cu., Ci.
	1	28.	765.00	29.980	82.	30.112	29.969	....	72.	70.	.705	....	355	..	..	.1	Cu., Ci.
	2	28.	764.85	29.975	81.7	30.110	29.968	....	72.	70.5	.722	....	355	..	..	.3	Cu., Ci.
	3	27.5	764.90	29.979	81.	30.110	29.969	....	72.5	70.5	.717	....	20	..	..	.9	Cu., N.
	4	27.	764.90	29.982	80.1	30.109	29.971	....	72.	70.5	.722	....	355	..	..	.8	Cu., N.
	5	27.	764.90	29.982	80.	30.110	29.972	....	72.3	70.5	.719	....	10	..	..	.9	Cu., N.
	6	26.8	765.25	29.996	79.5	30.122	29.986	....	73.4	72.	.760	89.	10	..	..	.1	Ci. and Ci-s.
	7	27.	765.40	30.001	80.	30.126	29.988	....	78.	74.3	.794	84.2	15	.1	..	.1	Ci. and Ci-s.
	8	27.5	765.50	30.002	80.5	30.132	29.993	....	79.	74.5	.789	83.8	25	.8	..	.1	Ci. and Ci-s.
	9	28.	765.50	30.000	81.	30.132	29.991	....	80.3	75.	.796	81.	35	1.0	..	.9	Ci. and Ci-s.
	10	28.	765.75	30.010	82.	30.140	29.997	....	81.4	76.	.823	82.	40	1.0	..	1.0	Ci, Cu-s.
	11	28.5	765.75	30.007	82.2	30.140	29.997	....	81.8	76.	.818	81.5	42	.8	..	1.0	Ci., N., Cu-s.
	12	29.	765.60	29.999	83.	30.138	29.992	....	83.5	78.	.879	79.	14	1.7	..	.7	Ci., N., Cu-s.
	13	29.	765.00	29.975	83.	30.120	29.974	....	84.5	76.	.788	74.	25	2.2	..	.9	Ci., N.
	14	30.2	764.85	29.963	83.4	30.100	29.953	....	84.	75.3	.766	74.	40	2.3	..	.7	Ci-cu. and N.
	15	27.8	765.25	29.989	82.4	30.152	30.008	....	75.3	73.2	.783	75.5	30	1.2	.05	1.0	N., raining.
	16	27.5	765.60	30.006	81.9	30.132	29.987	....	75.	72.5	.761	86.	30	.2	.04	1.0	N.
	17	27.2	766.00	30.023	81.1	30.156	30.015	....	75.	72.2	.750	86.	50	.6	..	.9	N.
	18	27.	766.20	30.033	80.8	30.156	30.015	....	75.	72.	.743	86.	20	.2	..	1.0	Cu., Ci-cu.
	19	27.	766.35	30.035	80.	30.158	30.020	....	74.5	72.	.749	86.	40	.1	..	.8	Ci cu. and N.
	20	26.8	766.40	30.042	80.1	30.158	30.020	....	73.3	70.4	.704	86.3	37	1.0	..	.5	N., Ci-s.
	21	26.2	766.75	30.059	79.2	30.176	30.041	....	72.5	70.3	.709	86.5	34	..	..	..	N., Ci-s.
	22	26.	766.85	30.063	78.7	30.178	30.044	....	72.5	70.2	.706	90.	30	..	..	..	Ci-cu., Ci-s.
	23	....	.....	*30.068	....	.....	*30.050	....	*72.5	....	*.704	*92.	..	..	..	..	

* Supplied.

Observed dew point: 3*h*., 68°; 9*h*., 72°; 15*h*., 69°.8.

Date. Day.	Hour.	Barometer No. 1. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Barometer No. 2. Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Thermometers, Fah. Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
4	0	25.6	765.60	30.015	78.2	30.128	29.995	....	69.6	68.	.663	87.8	38	.1	..	1.0	N., Ci-cu.
	1	25.2	765.20	30.001	77.1	30.116	29.986	....	69.5	68.	.664	87.8	40	..	..	1.0	N., Ci-cu.
	2	25.	765.00	29.994	76.4	30.108	29.980	....	69.4	68.	.665	88.	43	..	..	1.0	N.
	3	24.7	764.85	29.990	75.9	30.092	29.965	....	69.7	68.5	.679	88.2	37	..	..	1.0	N.
	4	24.8	764.90	29.993	74.3	30.104	29.981	....	70.5	69.3	.698	88.	45	..	..	1.0	N.
	5	24.5	765.00	29.997	75.5	30.112	29.986	....	70.	69.	.693	88.	45	..	..	1.0	Ci., Ci-cu.
	6	23.	765.00	30.004	75.	30.112	29.987	....	71.	69.8	.709	88.	45	..	..	.9	Ci., Ci-cu.
	7	24.	765.35	30.012	74.9	30.120	29.995	....	72.6	71.1	.737	88.	45	..	..	1.0	Ci., Ci-cu.
	8	24.5	765.45	30.015	75.	30.126	30.001	....	74.	71.4	.732	87.	50	..	..	1.0	Cu.
	9	24.6	765.55	30.018	75.1	30.132	30.007	....	75.5	72.	.737	86.	50	..	..	1.0	Cu.
	10	25.	765.00	30.018	75.9	30.140	30.013	....	76.2	71.6	.715	84.	65	..	..	1.0	Ci. and Ci-cu.
	11	26.	765.75	30.019	77.	30.140	30.010	....	79.	73.5	.752	82.5	30	..	..	.8	Ci. and Ci-cu.
	12	26.5	765.50	30.008	77.9	30.129	29.998	....	79.9	74.	.759	81.5	45	..	..	.4	Ci. and Ci-cu.
	13	26.8	764.80	29.979	78.5	30.093	29.959	....	81.4	75.	.783	81.	75	..	..	.6	Ci. and Ci-cu.
	14	27.	764.40	29.962	79.2	30.082	29.946	....	79.6	72.5	.710	79.9	30	..	..	.8	Ci. and Ci-cu.
	15	27.2	764.15	29.950	79.8	30.076	29.938	....	79.8	73.	.726	80.	40	..	..	.9	Ci. and Ci-cu.
	16	27.5	763.95	29.941	80.	30.070	29.932	....	81.	73.8	.743	80.	35	..	..	.8	Ci. and Ci-cu.
	17	27.8	763.70	29.930	80.3	30.058	29.919	....	80.4	73.3	.736	79.8	25	..	..	1.0	Ci. and Ci-cu.
	18	27.4	763.50	29.923	80.6	30.058	29.919	....	79.5	74.	.788	85.	10	.1	..	1.0	Ci. and Ci-cu.
	19	27.5	763.60	29.927	80.6	30.058	29.919	....	77.	73.5	.775	85.2	0	..	..	1.0	Ci. and Ci-cu.
	20	27.1	763.60	29.930	80.2	30.060	29.922	....	74.7	72.	.745	86.	0	..	..	1.0	Cu., N.
	21	27.1	763.75	29.936	80.1	30.062	29.924	....	74.4	71.9	.746	86.	0	..	..	1.0	Cu., N.
	22	26.6	763.85	29.941	79.4	30.050	29.914	....	73.3	71.1	.729	87.2	12	..	..	.4	Ci-s.
	23	26.2	764.20	29.958	78.8	30.056	29.921	....	72.3	70.	.702	87.5	24	..	..	.5	Ci-s., Ci-cu.

Observed dew point: 3h., 64°.2; 9h., 68°; 15h., 69°; 21h., 64°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
5	0	26.2	765.20	29.997	78.3	30.062	29.928	....	71.4	69.3	.688	....	18	..	..	.7	Ci s., Ci-cu., N.
	1	26.1	763.40	29.926	77.9	30.038	29.905	....	70.6	68.6	.673	....	16	..	..	.8	Ci s, N.
	2	25.7	763.05	29.914	77.6	30.018	29.887	....	70.4	68.5	.671	92.7	13	..	..	.5	Ci s., Ci-cu., N.
	3	25.6	762.30	29.885	77.2	30.050	29.870	....	70.	69.	.693	92.3	13	..	..	.8	Ci-s., Ci-cu.
	4	25.3	762.35	29.889	76.8	30.008	29.878	....	70.4	69.	.689	91.6	20	..	..	1.0	Ci-s., Ci-cu.
	5	25.8	762.35	29.890	76.4	30.012	29.884	....	70.9	69.	.683	90.8	30	..	..	1.0	Ci-s , Ci-cu.
	6	25.	762.45	29.894	76.	30.014	29.887	....	71.3	69.4	.692	90.6	30	..	..	1.0	Ci-s , Ci-cu.
	7	25.	763.50	29.896	76.	30.014	29.887	....	72.3	70.	.702	90.	40	..	..	1.0	Ci-s., Ci-cu.
	8	25.	762.60	29.904	76.	30.010	29.889	....	73.4	70.8	.717	87.2	40	..	..	1.0	Ci-s., Ci-cu.
	9	23.1	762.50	29.896	76.1	30.008	29.881	....	74.6	71.5	.729	89.	41	.1	..	1.0	Ci-s., Ci-cu.
	10	25.5	762.50	29.893	76.9	30.010	29.870	....	76.	72.	.731	86.5	60	.2	..	1.0	Ci-s., Ci-cu.
	11	25.8	762.60	29.876	77.	30.015	29.885	....	76.5	72.4	.741	86.5	40	.2	..	1.0	Ci-s., Ci-cu.
	12	26.2	762.60	29.895	77.8	30.018	29.885	....	78.5	74.	.777	84.8	20	.1	..	1.0	Ci s., Ci cu.
	13	26.1	762.40	29.887	78.	30.004	29.871	....	79.4	74.	.786	84.1	45	.2	..	1.0	Ci-s., Ci-cu.
	14	27.	762.00	29.867	78.8	29.996	29.861	....	80.8	76.	.829	82.	20	.3	..	1.0	Ci s , Ci-cu.
	15	27.	761.95	29.865	79.4	29.994	29.858	....	80.8	75.5	.810	82.	30	.4	..	1.0	Ci-s., Ci-cu.
	16	27.2	761.60	29.850	79.8	29.972	29.834	....	80.4	74.5	.775	81.9	30	.4	..	1.0	Ci-s., Ci-cu.
	17	27.5	761.30	29.837	80.1	29.968	29.830	....	79.	73.9	.768	83.5	15	.5	..	1.0	Ci s., Ci-cu.
	18	27.4	761.50	29.845	80.1	29.976	29.838	....	78.	73.6	.768	85.	20	.2	..	1.0	Ci s., a few Cu.
	19	27.3	761.85	29.860	80.	29.984	29.846	....	76.	71.5	.713	85.5	25	.7	..	1.0	Ci-s.
	20	27.	761.70	29.856	79.5	29.982	29.846	....	74.	71.	.718	87.5	20	..	..	1.0	Ci s.
	21	26.9	762.00	29.867	79.	29.984	29.819	....	73.	70.5	.712	89.	40	..	..	1.0	Ci s. at Hor.
	22	26.1	762.15	29.877	78.6	29.982	29.818	....	73.3	69.5	.684	89.8	40	.1	..	1.0	Ci s. at Hor.
	23	25.6	762.00	29.873	77.9	29.974	29.841	....	70.7	68.	.651	89.9	33	.1	..	1.0	Ci-s. at Hor.

Observed dew point: 3*h*., 68°; 9*h*., 69°; 15*h*., 69°; 21*h*., 67°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
6	0	25.5	762.00	29.873	77.3	29.982	29.851	....	69.9	67.9	.657	90.	27	..	..	..	Clear.
	1	24.9	761 65	29.865	76.4	29.966	29 838	....	69.2	67.9	.665	92.2	15	..	..	.3	S., Ci s.
	2	24.1	761.50	29.861	75.1	29.950	29.825	....	68.	67.	.648	93.	4	..	..	1.0	S., N.
	3	24.3	761.00	29.840	74.6	29.944	29.821	....	70.	68.8	.686	93.	15	..	..	1.0	S., N.
	4	24.3	761.15	29.846	74.5	29.948	29.825	....	70.5	69.4	.701	93.	10	..	..	1.0	S., Ci-s., Ci-cu.
	5	24.3	761.45	29.858	74.6	29.968	29.845	....	71.	69.7	.706	93.	20	..	..	1.0	Ci-s., Ci-cu.
	6	24.3	761.65	29.866	74.8	29.970	29 846	....	71.8	69.8	.700	93.	40	..	..	1.0	Ci-s., Ci-cu.
	7	24.3	762.00	29.879	75.	29.980	29.855	....	72.	69.	.671	92.	40	..	..	1.0	Ci-s., Ci-cu.
	8	24.5	762.10	29.883	75.	29.984	29.859	....	72.5	70.3	.710	91.	35	.2	.78	1.0	Ci-s., Ci cu.
	9	24.5	761.75	29.870	75.	29.976	29.851	....	75.4	71.	.725	91.	35	..	.50	1.0	N., Ci-s., Ci-cu.
	10	24.2	762.60	29.904	75.2	30.018	29 893	....	66.8	66.2	.635	93.	35	..	.45	1.0	N., raining.
	11	24.1	762.50	29.900	75.1	30.018	29.893	....	67.	66.5	.642	93.2	40	..	..	1.0	N., raining.
	12	24.	762.65	29.906	74.7	30.011	29.887	....	67.5	67.	.653	93.	45	..	..	1.0	N., raining.
	13	24.	762.15	29.886	74.5	30.000	29.877	....	70.5	69.1	.694	92.	55	..	..	1.0	N.
	14	24.2	761.75	29.871	74.5	29.982	29.859	....	73.5	71.5	.741	89.	40	.1	.03	1.0	N.
	15	24.8	762.00	29.884	74.9	29.992	29.867	....	75.	71.5	.724	83.5	350	..	.02	1.0	N.
	16	24.9	762.15	29.883	75.2	29.997	29.872	....	71.5	67.5	.626	86.8	350	..	..	1.0	N., Ci s.
	17	25.	762.50	29.896	75.8	30.006	29.879	....	72.2	69.5	.685	88.	110	..	..	1.0	N., raining.
	18	25.	763.00	29.915	75.8	30.032	29.905	....	72.2	69.5	.687	88..	110	..	..	1.0	Ci s.
	19	25.	763.00	29.915	75.5	30 030	29.904	....	71.2	69.	.680	89.9	110	..	..	1.0	Ci-s., Cu.
	20	25.	763.55	29.937	75.1	30.042	29.917	....	69.6	68.4	.677	91.	110	..	..	1.0	Ci., Cu., and Ci-s.
	21	24.5	763.90	29.954	75.	30.056	29.931	....	69.5	68.	.665	91.	113	..	..	1.0	Ci s. and N.
	22	23.8	764.40	29.976	74.2	30.076	29.954	....	68.1	67.	.647	90.9	113	..	..	.9	Ci s.
	23	23.7	764.70	29.990	73.9	30.084	29.962	....	67.4	64.7	.581	88.8	113	..	..	1.0	Ci-s., N.

Observed dew point: 3*h*., 68°; 9*h*., 71°; 15*h*., 70°.5; 21*h*., 59°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
7	0	23.5	765.00	30.001	73.4	30.110	29.990	....	65.8	62.	.516	87.5	210	..	..	1.0	N.
	1	23.2	765.60	30.026	73.	30.120	30.001	....	64.	60.5	.493	86.	210	..	..	1.0	N.
	2	23.	765.75	30.034	72.6	30.130	30.012	....	62.6	59.3	.474	84.5	208	..	..	.8	Ci-cu., Ci-s.
	3	22.6	765.60	30.030	71.8	30.128	30.011	....	61.1	58.	.454	85.	200	..	..	1.0	Ci., Cu., N.
	4	22.5	765.85	30.040	71.2	30.142	30 028	....	61.	57.7	.448	84.5	195	..	..	1.0	Ci., Cu., N.
	5	22.4	766.50	30.066	70.9	30.164	30.050	....	61.	56.1	.404	80.	200	..	..	1.0	Ci., Cu., N.
	6	21.5	767.00	30.091	70.	30 182	30.071	....	61.2	56.1	.400	78.	225	..	..	.9	Ci., Cu., N.
	7	21.6	767.05	30.092	69.8	30.184	30.073	....	63.4	57.9	.426	78.5	240	..	..	.6	Ci., Cu., N.
	8	20.9	767.90	30.093	68.9	30.182	30.073	....	65.6	59.	.432	75.	255	..	..	.4	Ci., Cu., N.
	9	21.3	767.60	30.115	69.	30.198	30.089	....	67.	59.4	.428	72.	210	..	..	.8	Ci-cu and Cu.
	10	21.3	768.00	30.131	69.	30.232	30.123	....	68.5	61.	.457	71.9	220	..	..	1.0	Ci cu. and Cu.
	11	21.8	768.00	30.128	69.4	30.230	30.120	....	69.5	61.	.446	70.	230	..	..	1.0	Ci-cu. and Cu.
	12	22.2	768.00	30 126	70.	30.230	30.119	....	70.3	60.5	.420	66.1	250	..	..	1.0	Ci-cu. and Cu.
	13	23.	767.75	30.113	71.	30.216	30.102	....	71.8	62.3	.459	66.1	250	..	..	.6	Ci cu. and Cu.
	14	23.2	767.15	30.087	71.8	30.208	30.091	....	73.	65.5	.544	71.	280	..	..	.3	Ci-cu. and Cu.
	15	23.9	766 80	30.071	72.5	30.180	30.062	....	73.5	66.5	.570	70.	255	..	..	..	Hazy, small Cu.
	16	24.2	766.50	30.058	73.8	30.164	30.042	....	74.7	67.	.573	73.	258	..	..	..	Hazy.
	17	24.5	766 15	30.013	74.2	30.162	30.040	....	75.3	67.8	.593	73.5	250	..	..	.2	Ci., few Cu.
	18	24.5	766.50	30.057	74.9	30.164	30.039	....	74.5	67.3	.585	74.	250	..	..	.4	Ci., Ci-cu.
	19	24.2	766.60	30.062	74.9	30.168	30 043	....	72.5	66.4	.578	76.	250	..	..	.5	Ci., Cu.
	20	24.5	766.75	30.067	74.5	30.178	30.055	....	69.2	65.5	.587	82.5	310	..	..	.3	Ci., Cu.
	21	23.1	767.00	30.082	74.	30.196	30.074	....	68.	65.	.583	83.	315	..	..	..	Ci., Cu.
	22	23.	766.10	30.048	73.3	30.188	30.068	....	66.7	64.9	.595	91.3	320	..	..	.3	Ci., Cu.
	23	22.7	766.90	30.081	72.7	30.182	30.064	....	65.6	63.8	.573	91.2	324	..	..	..	Ci., Cu.

Observed dew point: 3*h*., 55°; 15*h*., 62°.5; 21*h*., 61°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
8	0	22.2	766.75	30.077	72.	30.172	30.055	....	66.1	64.6	.592	91.5	324	..	..	.9	Ci., S.
	1	22.2	766.15	30.073	71.5	30.164	30.049	....	66.4	64.8	.595	91.5	324	..	..	.9	S.
	2	21.9	766.20	30.057	71.2	30.156	30.042	....	66.1	64.2	.580	91.2	324	..	..	.9	S.
	3	22.	765.55	30.031	70.4	30.136	30.024	....	65.5	64.8	.605	92.	324	..	..	1.0	Ci-s.
	4	22.5	765.70	30.034	70.5	30.140	30.028	....	65.6	64.4	.589	90.	325	..	..	1.0	Ci-s., S.
	5	22.3	765.70	30.035	71.	30.144	30.030	....	65.7	64.7	.600	90.	325	..	..	1.0	Ci-s., N.
	6	22.2	765.85	30.041	71.	30.148	30.034	....	66.	65.	.606	90.	325	..	..	1.0	Ci-s., N.
	7	22.1	765.95	30.045	71.	30.162	30.048	....	67.	65.6	.614	90.	235	..	..	1.0	Ci-s., N.
	8	22.5	766.00	30.046	71.2	30.164	30.050	....	68.9	66.9	.635	90.	255	..	..	1.0	Ci s., N.
	9	22.2	765.95	30.045	71.2	30.160	30.046	....	69.5	67.4	.645	90.	260	..	..	1.0	N., raining.
	10	22.7	765.40	30.021	71.8	30.118	30.001	....	72.6	70.	.698	85.3	295	..	..	1.0	Ci., Ci-cu., N.
	11	23.1	765.30	30.016	72.4	30.116	29.998	....	75.	71.	.707	85.5	340	..	..	1.0	Ci-cu., N.
	12	23.9	764.75	29.990	73.2	30.092	29.963	....	77.	73.	.757	85.	345	..	..	1.0	Ci cu., N.
	13	24.5	764.75	29.988	74.2	30.090	29.968	....	79.	73.5	.753	82.5	5	..	..	1.0	Ci-cu., N.
	14	24.8	763.75	29.947	75 2	30.058	29.933	....	76.1	73.3	.778	87.5	5	..	..	1.0	Cu-s., N.
	15	24.8	763 60	29.941	75.6	30.050	29.924	....	72.6	71.5	.751	96.	55	..	.31	1.0	N., raining.
	16	25.2	763.00	29.914	76.	30.023	29.896	....	78.4	74.8	.809	88.	5	.2	.04	.4	Light Ci., Ci cu., Cu-s.
	17	26.	762.65	29.897	77.	30.013	29.883	....	80.	74.8	.791	83.	0	.7	..	.1	Ci., Ci-cu., Cu.
	18	26.2	762.80	29.903	77.8	30.018	29.885	....	77.	74.5	.771	85.	0	1.0	..	..	Hazy, Cu-s., Ci.
	19	26.	762.75	29.901	78.	30.020	29.887	....	76.4	73.4	.777	85.8	0	.2	..	.6	Hazy, Cu., Ci.
	20	26.	763.10	29.914	77.8	30.024	29.901	....	74.7	72.1	.749	89.2	350	..	..	1.0	Cu-s., N.
	21	26.	763.10	29.914	77.6	30.034	29.901	....	74.	71.8	.745	89.2	348	.3	..	1.0	Cu-s., N.
	22	25.7	763.15	29.918	77.5	30.020	29 889	....	73.5	71.5	.741	89.2	346	.1	..	.9	Cu., Ci-cu.
	23	25.7	763.00	29.912	77.3	30.016	29.885	....	72.7	71.	.732	89.	17	.1	..	.8	Cu., Ci-cu.

Observed dew point: 3h., 61°.8; 9h., 68°; 15h., 71°.3; 21h., 69°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
9	0	25.7	762.15	29.918	77.1	30.028	29.898	....	72.5	71.1	.738	90.8	10	..	..	.7	Cu., N.
	1	25.4	762.70	29.903	76.9	30.010	29 880	....	72.1	70.7	.729	90.8	4	..	..	.3	Ci-s.
	2	25.2	762.10	29.879	76.5	29.976	29.848	....	71.8	70.5	.725	90.8	352	..	..	..	Clear.
	3	25.3	761.75	29.866	76.1	29.974	29.847	....	72.	70.7	.730	91.	5	..	..	.3	N.
	4	25.2	761.90	29.872	76.	29.984	29.857	....	72.5	70.	.700	91.	20	.2	..	.6	Cu.
	5	25.2	762.30	29.887	76.	30.000	29.873	....	72.7	71.	.732	90.8	20	.4	..	.7	Cu.
	6	....	.....	*29.898	....	.....	*29.890	....	*72.6	....	*.733	*91.1	20	.3	..	..	
	7	....	.....	*29.908	....	.....	*29.903	....	*73.5	....	*.749	*90.7	40	.3	..	..	
	8	25.	762.85	29.910	76.	30.036	29.909	....	74.5	72.5	.766	90.	52	.7	.11	1.0	Ci., Cu., and N.
	9	25.1	762.95	29.914	76.	30.027	29.900	....	76.	72.7	.757	88.	30	.2	..	1.0	Cu s., N.
	10	25.	763.70	29.943	76.2	30.056	29.929	....	70.	68.8	.686	92.5	50	1.8	.31	1.0	Cu-s., N.
	11	25.1	763.60	29.939	76.2	30.050	29.923	....	75.6	72.4	.751	88.5	55	.2	.01	1.0	Ci., Ci-cu., Cu-s., N.
	12	25.9	763.60	29.935	77.	30.050	29.920	....	78.5	74.	.777	84.3	35	.1	..	1.0	Ci., Ci-cu., Cu-s., N.
	13	26.	763.65	29.937	77.2	30.052	29.922	....	77.2	70.7	.672	80.	80	..	..	1.0	Ci-cu., Cu-s., N.
	14	26.1	763.85	29.944	77.8	30.060	29.928	....	77.5	70 5	.662	78.	115	..	..	1.0	Ci-cu., Cu-s., N.
	15	26.	764.10	29.955	78.	30.066	29 933	....	76.7	70.4	.667	79.	115	..	..	1.0	Ci-cu., Cu-s., N.
	16	25.8	764.40	29.967	77.8	30.080	29.948	....	76.8	69.8	.645	80.	70	..	..	1.0	Ci cu., Cu-s., N.
	17	25.2	764.25	29.964	77.2	30.077	29.947	....	74.	70.	.682	84.	40	..	..	1.0	Ci cu., Cu-s., N.
	18	25.2	763.90	29.950	76.9	30.068	29.938	....	73.	70.	.693	89.	10	..	..	1.0	N., Ci-s.
	19	25.2	763.95	29.952	77.	30.074	29.944	....	72.	69.5	.688	89.	20	..	..	1.0	N., Ci-s.
	20	25.2	764.30	29.966	77.	30.080	29.950	....	70.7	69.	.685	94.5	350	..	..	1.0	N., Ci s.
	21	25.2	765.15	29.999	76.8	30.106	29.976	....	70.1	68.	.658	92.2	356	..	..	1.0	N., Ci-s.
	22	25.1	765.25	30.004	76.3	30.114	29.986	....	69.5	68.4	.678	92.8	358	..	..	1.0	N., Ci s.
	23	....	.....	*30.010	....	.....	*29.992	....	*69.	....	*.685	*93.	..	..	..	..	

* Supplied.

Observed dew point: 3*h*., 65°.1; 9*h*., 70°.6; 15*h*., 65°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
12	0	22.5	767.50	30.105	71.4	30.200	30.085	....	62.5	60.	.495	85.2	239	..	..	.3	Ci-s.
	1	22.4	767.45	30.103	71.3	30.194	30.079	....	62.5	60.7	.516	90.	238	..	..	.7	Ci-s.
	2	22.2	767.35	30.100	71.1	30.188	30.074	....	62.5	61.4	.536	92.	241	..	..	.9	Ci-s., S.
	3	22.1	766.75	30.078	70.9	30.170	30.056	....	61.9	61.	.531	92.	215	..	..	1.0	Ci-s., S.
	4	21.9	766.55	30.071	70.6	30.166	30 054	....	61.6	61.	.534	92.1	212	..	..	1.0	Ci s., S., N.
	5	21.8	766.40	30.066	70.5	30.162	30.052	....	61.4	59.8	.502	92.2	214	..	..	1.0	S., N.
	6	21.4	766.90	30.088	70.	30.194	30.083	....	61.1	60.7	.532	91.8	205	..	..	1.0	S., N.
	7	21.3	767.45	30.109	69.5	30.200	30.090	....	62.4	61.4	.537	92.	206	..	..	1.0	S., N.
	8	21.5	767.45	30.107	69.6	30.186	30.076	....	63.2	61.8	.538	91.7	232	..	..	1.0	S.
	9	21.7	767.50	30.093	69.7	30.190	30.080	83 5	67.7	65.5	.603	89.5	260	..	..	.3	Cu.
	10	22.1	767.00	30.088	70.1	30.185	30.074	92.	70.4	66.1	.592	84.	250	..	..	.1	Cu.
	11	22.8	765.70	30.073	71.2	30.178	30.064	97.3	73.9	68.2	.622	80.	275	..	..	..	A few Cu. in *S.*
	12	24.	766.40	30.054	72.3	30.162	30 044	100.5	74.8	65.5	.524	71.2	280	..	..	.1	Ci., Cu.
	13	24.4	765.80	30.029	73.5	30.140	30.020	102.	76.3	66.6	.542	70.3	270	..	..	.1	Ci., Cu.
	14	24.6	765.55	30.018	74.2	30.130	30.008	102.	78.	70.	.637	71.	260	..	..	.1	Ci., Cu.
	15	25.5	765.50	30 011	75 5	30.124	29.998	105.5	79.5	69.5	.603	70.	260	..	..	.1	Ci., Cu.
	16	26.	765.25	29.999	76.2	30.114	29.987	104.	80.5	70.5	.627	69.3	210	..	..	.1	Ci., Cu.
	17	26.5	764.80	29.981	77.5	30.100	29.969	102.7	80.5	71.2	.652	71.2	230	..	..	..	Ci., Cu.
	18	26.8	764.80	29.979	78.2	30.100	29.966	....	79.5	69.5	.603	71.2	235	..	..	..	Ci., Cu.
	19	26.5	764.70	29.977	78.5	30.092	29.958	....	76.	70.	.660	79.	215	..	..	.1	Ci., Cu. in Hor.
	20	25.7	764.70	29.980	78.2	30.092	29.959	....	73.5	69.5	.670	78.7	310	..	..	..	Ci., Ci-s. in Hor.
	21	24.8	764.65	29.982	77.3	30.090	29.959	....	70.7	67.8	.645	90.	310	..	..	..	Ci., Ci-s. in Hor.
	22	24.2	764.45	29.977	76.1	30.078	29.951	....	68.9	66.1	.609	90.	310	..	..	..	Clear.
	23	24.5	764.45	29.975	75.5	30.078	29.952	67.2	67.8	66.2	.624	93.	344	..	..	..	Clear.

Observed dew point: 3*h*., 60°.4; 9*h*., 63°.5; 15*h*., 64°; 21*h*, 66°.4.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
14	0	26.	761 25	29.843	79.	29.950	29.815	....	72.4	71.	.736	90.	351	..	..	.8	Ci-s , Cu.
	1	25.5	760.85	29.830	78.2	29.936	29.803	....	72.4	71.	.736	90.	355	..	..	.9	Ci-s., Cu.
	2	25.1	760.70	29.836	77.5	29.934	29.803	....	72.4	71.	.736	90.	330	..	..	.9	Cu.
	3	....	.....	*29.816	....	.....	*29.797	....	*72.2	....	*.733	*90. ?	330	..	..	..	
	4	25.	760.00	29.798	76.7	29.914	29.786	....	72.5	71.	.735	90.3	335	..	..	1.0	Ci-s., Cu.
	5	25.3	760.15	29.803	76.8	29.918	29.789	....	73.	71.2	.736	90.	335	..	..	.8	Ci-s., Cu.
	6	25.5	760.35	29.809	76.8	29.926	29.797	....	74.2	72.	.751	89.5	335	..	..	.6	Ci-s., Cu.
	7	25.5	760.50	29.815	76.8	29.930	29.801	....	75.5	73.	.774	89.	300	..	..	.4	Ci-s., Cu.
	8	26.5	761.00	29.831	77.8	29.950	29.817	....	78.8	75.	.812	85.	290	..	..	.6	Cu.
	9	27.	760.80	29.821	79.	29.940	29.805	96.	79.6	74.3	.796	84.	290	..	..	.1	Ci., Cu.
	10	27.6	761.00	29.825	80.2	29.944	29.806	102.	80.5	75.3	.805	82.	280	..	..	.5	Ci., Cu.
	11	27.8	760.90	29.821	81.	29.940	29.799	105.	80.5	74.5	.774	79.5	285	..	..	.4	Cu., Cu-s.
	12	28.5	760.60	29.805	81.5	29.928	29.786	106.	83.1	76.8	.836	79.5	320	..	..	.4	Cu., Cu-s.
	13	29.	760.20	29.787	82.5	29.916	29.772	111.	85.	77.8	.855	77.7	325	..	..	.7	Cu., Cu-s.
	14	29.2	760.00	29.778	83.	29.908	29.762	110.	85.	76.8	.815	76.	340	..	..	.7	Cu., Cu-s.
	15	29.6	759.50	29.757	83.6	29.888	29.741	109.	83.	75.	.766	77.	0	.2	..	.8	Ci., Cu-s., N.
	16	28.9	759.60	29.763	83.5	29.892	29.745	....	80.	75.	.799	83.	40	..	..	.9	Ci., Cu-s., N.
	17	28.5	759.60	29.765	83.	29.892	29.746	....	79.	75.3	.821	83.	40	..	..	.4	Ci., Cu-s., N.
	18	28 5	759.60	29.765	83.	29.892	29.746	....	77.5	74.5	.807	82.5	345	..	..	.4	Ci., N.
	19	28.	759.75	29.774	82.5	29.902	29.758	....	77.5	73.7	.777	84.8	345	..	..	.9	Ci., Ci-s.
	20	28.	760.25	29.794	82.1	29.916	29.773	....	76.5	75.5	.781	85.5	335	.1	..	1.0	Ci., Ci-s., N.
	21	28.	760.40	29.800	82.	29.926	29.783	....	75.6	73 5	.791	89.	350	..	..	1.0	Ci., Ci-s., N.
	22	26.6	760.40	29.806	81.	29.920	29.779	....	74.9	73.1	.783	89.	352	..	..	1 0	Ci-s., N.
	23	25.9	760.40	29.810	79.8	29.920	29.782	....	74.2	70.	.681	86.	144	..	..	1.0	Ci-s., N.

* Supplied.

Observed dew point: 9*h*., 72°.5; 15*h*., 71°.5; 21*h*., 72°.

Date. Day.	Hour.	Barometer No. 1. Temperature, centigrade.	Barometer No. 1. Obs'd height, millimetres.	Barometer No. 1. Corr. height, inches.	Barometer No. 2. Temperature, Fahrenheit.	Barometer No. 2. Obs'd height, inches.	Barometer No. 2. Corr. height, inches.	Thermometers, Fah. Radiation.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., degrees.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
16	0	21.	761.00	29.859	68.9	29.942	29.833	....	64.6	63.2	.566	91.5	195	.3	.01	1.0	N., raining.
	1	20.8	760.30	29.830	68.5	29.920	29.813	....	62.6	61.2	.529	91.7	194	1.3	.02	1.0	N., raining.
	2	20.4	760.15	29.827	68.2	29.900	29.794	....	62.3	60.9	.523	91.	196	1.2	.03	1.0	N., raining.
	3	20.7	759.50	29.799	68.	29.890	29.784	....	63.9	61.5	.534	91.	196	.3	.01	1.0	N., raining.
	4	20.5	759.25	29.789	67.5	29.900	29.796	....	62.5	61.1	.527	92.	190	.5	.03	1.0	N., raining.
	5	20.3	759.20	29.789	67.2	29.894	29.791	....	62.5	61.	.524	91.5	190	.7	.02	1.0	N., raining.
	6	20.1	759.35	29.796	67.1	29.900	29.797	....	62.5	61.	.524	91.5	185	.5	.07	1.0	N., raining.
	7	20.	759.85	29.816	67.	29.908	29.805	....	62.3	61.2	.532	92.	180	.7	.04	1.0	N., raining.
	8	20.	759.70	29.810	67.	29.904	29.801	....	63.	61.9	.545	92.	196	.8	.01	1.0	N., raining.
	9	20.	759.70	29.810	67.	29.904	29.801	....	62.6	62.2	.558	92.5	200	.7	.11	1.0	N., raining.
	10	20.	759.70	29.810	67.	29.904	29.801	....	63.8	63.	.569	92.	175	.5	.02	1.0	N., raining.
	11	20.	759.70	29.810	67.	29.904	29.881	....	63.7	63.2	.576	92.	180	.5	.27	1.0	N., raining.
	12	20.	759.50	29.802	67.	29.900	29.797	....	64.4	64.	.592	92.5	190	.2	.19	1.0	N., raining.
	13	20.	759 50	29.802	67.	29.900	29.797	....	66.	65.5	.622	92.5	190	.2	.14	1.0	N., raining.
	14	20.	759.30	29.794	67.	29.896	29.793	....	66.8	66.4	.642	92.2	205	.2	.25	1.0	N., raining.
	15	20.4	759.30	29.794	67.2	29.896	29.793	....	67.	66.5	.642	92.2	200	.1	.23	1.0	N., raining.
	16	20.4	759.70	29.809	67.8	29.900	29.804	....	67.	66.2	.633	92.2	200	.1	.14	1.0	N., raining.
	17	20.4	759.70	29.809	67.8	29.908	29.802	....	66.8	66.	.629	92.2	200	.4	.10	1.0	N., raining.
	18	20.5	759.70	29.809	68.	29.908	29.802	....	67.5	66.5	.637	92.	190	.1	..	1.0	N., raining.
	19	20.5	759.70	29.809	68.	29.906	29.800	....	67.5	66.5	.637	92.	185	..	..	1.0	N., raining.
	20	20.9	760.10	29.822	68.	29.912	29.806	....	68.	66.5	.632	91.7	180	..	..	1.0	N., raining.
	21	21.	760.50	29.838	68.3	29.930	29.823	....	67.9	66 5	.633	91.5	215	..	..	1.0	N., Ci cu.
	22	21.	760.50	29.838	68.5	29.930	29.823	....	68.	66.	.616	90.3	190	..	..	.9	Ci-cu., Cu-s.
	23	....	.....	*29.838	....	.....	*29.823	....	*68.	....	*.610	*90.	190	..	..	..	

* Supplied.

Observed dew point: 3*h*., 55°; 9*h*., 62°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
19	0	24 8	760.50	29.820	77.9	29.928	29.795	....	70.5	68.	.654	90.	357	..	..	.1	Ci., Ci-cu.
	1	24.7	760.20	29.818	77.3	29.914	29.783	....	69.9	68.5	.677	90.2	357	..	..	.1	Ci-s., Ci-cu.
	2	24.1	760.05	29.804	77.2	29.908	29.778	....	69.1	68.	.674	90.4	357	..	..	.1	Ci-s., Ci cu.
	3	23.9	759.90	29.799	76.3	29.900	29.772	....	68.7	68.	.673	90.	357	..	..	.3	Ci-cu.
	4	23.8	759.75	29.793	75 5	29.892	29.766	....	69.	68.	.670	90.	357	..	..	.5	Ci-s., Ci-cu.
	5	23 8	759.80	29 795	74.8	29.894	29.769	....	69.6	68.5	.680	90.	357	..	..	.3	Ci-s.
	6	23.7	759.95	29.803	74.	29.900	29.778	....	70.5	69.5	.704	90.	357	..	..	.3	Ci-s.
	7	24.3	760.30	29.812	74.7	29.916	29.791	....	73.7	72.	.756	89.3	0	..	..	1.0	Ci-s , Ci-cu.
	8	24.	760.45	29.820	75.	29.926	29.801	....	74.8	72.7	.770	89.	0	..	..	1.0	Ci-s., Ci-cu.
	9	24.3	760.60	29.825	75.2	29.932	29.807	....	75.3	72.5	.757	88.5	0	..	..	1.0	Ci., Ci-s., Ci-cu.
	10	25.4	760.60	29.820	76.	29.931	29.807	....	77.7	75.4	.840	89	0	..	..	.3	Ci., Ci-s., Ci-cu.
	11	26.8	760.70	29.818	77.8	29.934	29.801	100.	79.3	75.5	.826	86.	0	..	..	.2	Ci., Ci-s.
	12	28.3	760.40	29.798	80.	29.924	29.786	102.	82.	76.2	.823	81.5	40	..	..	.1	Cu., Ci., Cu-s.
	13	29.	760.25	29.789	81.6	29.915	29.773	102.	83.5	76.7	.827	79.	40	.2	..	.2	Cu., Ci., Cu-s.
	14	29.	759.75	29.769	82.1	29.900	29.757	100.7	84.7	77.5	.846	78.	35	.7	..	.2	Cu., Ci-cu., Cu-s.
	15	29.8	759.55	29.758	83.	29.890	29.744	101.	86.	78.5	.872	77.	35	.5	..	.4	Cu., Ci-cu., Cu-s.
	16	30.	759.50	29.754	83.6	29.888	29.741	100.	86.	76 5	.791	74.	35	.2	..	.3	Cu., Ci-cu., Cu-s.
	17	30.	759.40	29.750	84.	29 886	29.737	....	85.1	76.5	.801	71.	35	.2	..	.2	Cu., Ci-cu., Cu-s.
	18	29.7	759.55	29.758	84.	29.898	29.749	....	82.	74.3	.750	75.	35	..	..	.9	N., Ci-s , Ci-cu.
	19	29.	759.55	29.761	83.5	29.898	29.751	....	80.5	75.2	.802	79.	50	..	..	1.0	N., Ci-s., Ci.
	20	28.8	759.30	29.752	83.	29.884	29.738	....	77 5	74.	.788	84.	45	..	..	1.0	N., Ci-s., Ci.
	21	28.5	759.70	29.769	82.8	29.908	29.762	....	....	....	....	....	35	..	..	1.0	N., Ci-s., Ci.
	22	28.5	759.75	29.771	82.2	29.900	29.757	....	76.	73.6	.790	86.5	35	..	..	1.0	N., Ci-s., Ci.
	23	28.8	759.75	29.771	82.	29.900	29.757	....	76.	73.3	.779	87.	30	..	..	1.0	N., Ci-s., Ci.

Observed dew point: 3*h*., 67°; 9*h* , 69°; 15*h*., 72°.8; 21*h*., 70°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
21	0	22.7	768.10	30.128	73.	30.226	30.107	....	61.4	58.	.451	79.	195	..	..	..	Clear.
	1	21.2	768.10	30.136	71.1	30.226	30.112	....	59.6	56.	.418	80.2	195	..	..	..	Clear.
	2	21.7	768.10	30.133	70.1	30.226	30.115	....	58.8	57.	.453	80.9	195	..	..	..	Clear.
	3	21.	768.35	30.146	69.	30.226	30.117	....	57.1	53.6	.385	81.	195	..	..	..	Clear.
	4	20.5	768.50	30.154	68.	30.228	30.122	....	56.	53.	.381	82.5	195	..	..	..	Clear.
	5	21.	769.05	30.171	68.	30.278	30.170	....	55.5	52.	.361	83.2	195	..	..	..	Clear.
	6	20.5	769.55	30.194	68.	30.286	30.178	....	58.2	54.3	.389	81.	190	..	..	..	Clear.
	7	20.5	770.15	30.217	68.8	30.320	30.210	....	63.7	56.5	.383	75.	230	..	..	..	Clear.
	8	21.7	770.75	30.237	68.8	30.340	30.230	....	66.	58.	.398	73.8	225	.1	..	..	Clear.
	9	22.	770.75	30.226	70.2	30.333	30.222	82.	68.2	60.4	.443	73.	240	.1	..	..	Clear.
	10	22.7	770.75	30.232	71.2	30.334	30.220	....	70.	61.3	.449	71.5	240	.4	..	..	Clear.
	11	23.	770.80	30.233	72.	30.334	30.217	....	71.5	61.7	.444	70.	245	.2	..	..	Clear.
	12	23.5	770.70	30.226	72.8	30.330	30.211	96.5	72.6	62.	.440	69.	260	.1	..	..	Hazy in Hor.
	13	23.9	770.50	30.216	73.2	30.320	30.201	98.	72.6	61.8	.434	67.5	245	.2	..	..	Hazy in Hor.
	14	24.2	770.30	30.207	74.	30.316	30.194	98.7	73.3	62.8	.456	65.8	240	..	..	..	Hazy in Hor.
	15	24.7	770.20	30.201	74.5	30.312	30.189	98.	74.5	63.7	.470	66.5	235	..	..	.1	Cu-s. in *S.*
	16	25.2	769.80	30.183	75.3	30.290	30.164	....	76.6	64.	.458	65.8	180	..	..	.1	Cu-s. in *S.*
	17	25.6	769.80	30.181	76.	30.290	30.163	....	75.2	65.	.503	64.	175	..	..	..	Cu-s. in *S.*
	18	25.4	769.50	30.170	76.5	30.280	30.152	....	75.	65.	.505	66.1	175	..	..	..	Cu-s. in *S.*, haze.
	19	25.	769.50	30.172	76.	30.280	30.153	....	72.	65.	.539	67.8	175	..	..	..	Cu-s. in *S.*, haze.
	20	25.	770.10	30.195	76.	30.312	30.185	....	67.8	63.5	.540	82.	335	..	..	..	Clear.
	21	25.	770.10	30.195	76.	30.312	30.185	....	66.5	62.5	.523	82.	335	..	..	..	Ci-s. in *S.*
	22	23.9	770.05	30.198	75.1	30.306	30.181	66.	64.4	61.4	.514	82.	345	..	..	..	Clear.
	23	23.5	770.00	30.198	73.9	30.304	30.182	58.6	63.	60.5	.504	82.8	345	..	..	..	Clear.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
...ay.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
3	0	24.2	768.60	30.141	75.1	30.242	30.117	62.7	67.	65.6	.614	92.	23	..	..	.1	Ci-cu.
	1	23.3	768.45	30.139	74.2	30.234	30.112	65.	67.5	66.5	.637	92.2	23	..	..	.4	Cu., Ci-cu.
	2	22.9	768.70	30.152	73.7	30.240	30.120	....	68.3	67.5	.661	92.5	28	..	..	1.0	S.
	3	23.5	768.50	30.140	74.4	30.244	30.119	....	69.	68.6	.670	92.2	65	..	..	1.0	S., Ci-s.
	4	23.5	768.75	30.150	74.	30.250	30.126	....	69.7	68.6	.683	92.	65	..	..	1.0	Ci s.
	5	23.5	769.10	30.163	73 8	30.264	30.140	....	69 9	68.9	.690	92.	45	..	..	1.0	Ci-s.
	6	23.5	769.25	30.169	73.5	30.272	30.150	....	70.3	69.	.690	92.	45	..	..	1.0	Ci-s.
	7	23.6	769.20	30.167	73.7	30.274	30.150	....	71.5	69.	.676	91.	45	..	..	1.0	Ci-s.
	8	23.7	769.20	30.167	73.8	30.276	30.152	....	73.	69.	.659	90.	55	..	..	1.0	Ci-s.
	9	24.6	769.20	30.161	74.8	30.270	30.144	95.	76.6	73 1	.764	86.	40	..	..	.8	Cu., hazy.
	10	25.	769.20	30.158	75.6	30.270	30.142	98.	77.3	73.1	.756	85.2	30	..	..	.8	Cu., hazy.
	11	25.7	769.10	30.151	76.7	30.266	30.135	97.8	79.7	75.	.802	84.	30	..	..	.6	Cu., hazy.
	12	26.3	769.00	30.145	77.6	30.260	30.127	100.	80.	74.3	.772	80.3	60	.2	..	.6	Cu., Cu s.
	13	26.8	768.55	30.125	78.6	30.242	30.106	99.	80.6	73.8	.747	78.5	45	.2	..	.4	Cu., Cu-s.
	14	27.3	768.20	30.108	79.5	30.226	30.088	101.	82.5	74.7	.760	77.	35	.6	..	.3	Cu., Cu-s.
	15	28.4	767.80	30.088	80.7	30 215	30.074	99.5	82.1	75.3	.787	78.	40	.4	..	.4	Cu., Cu s.
	16	29.1	767.65	30.079	82.	30.210	30.067	100.	84.4	76.5	.809	77.	32	.2	..	.5	Cu., Cu s.
	17	29.2	767.60	30.077	82.8	30.210	30.064	....	83.5	76.8	.831	79.8	30	.6	..	.2	Cu., Cu-s.
	18	29.3	767.20	30.060	83.2	30.200	30.054	....	82.	76.	.816	81.8	22	.3	..	..	Ci-s. at Hor.
	19	29.3	767.20	30.060	83.3	30.200	30.053	....	81.	75.5	.807	82.	25	..	..	..	Ci s. at Hor.
	20	28.7	767.20	30.063	83.	30 200	30.054	....	76.5	74.	.800	88.2	20	..	..	..	Ci-s. at Hor.
	21	28.1	767.35	30.073	82.5	30.210	30.066	....	75 3	73.5	.794	93.	10	..	..	..	Ci-s. at Hor.
	22	27.5	767.75	30.091	81.5	30.214	30.072	....	74.5	72.4	.763	92.	10	..	..	..	Ci-s. at Hor.
	23	....	.....	*30.100	....	.....	*30.080	....	*74.	....	*.750	*91.	20	..	..	..	

* Supplied.

Observed dew point: 3*h*., 67°.5; 9*h*., 71°.6; 15*h*., 70°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
26	0	22.1	768.10	30.131	72.3	30.226	30.108	....	63.5	61.7	.534	89.8	104	..	..	..	Clear.
	1	21.6	768.05	30.131	71.2	30.220	30.106	58.	62.6	60.9	.520	89.3	104	..	..	..	Clear.
	2	21.2	768.00	30.132	70.1	30.216	30.105	57.1	61.8	60.2	.509	88.2	104	..	..	..	Clear.
	3	21.3	767.60	30.116	69.4	30.214	30.104	56.5	61.3	59.5	.495	87.8	104	..	..	.7	Ci-s., Ci-cu.
	4	21.	767.45	30.110	69.4	30.228	30.118	....	62.8	61.	.521	87.6	104	..	..	.8	Ci-s., Ci-cu.
	5	21.	767.75	30.122	69.2	30.231	30.125	....	64.5	62.6	.549	87.6	104	..	..	.9	Ci-s., Ci-cu.
	6	21.	768.30	30.144	69.2	30.242	30.133	....	66.3	64.3	.581	87.6	65	..	..	.9	Ci-s., Ci-cu.
	7	21.6	768.30	30.141	69.3	30.240	30.131	....	67.5	65.4	.658	87.6	55	..	..	.2	Ci-s., Ci-cu.
	8	22.6	768.35	30.137	70.8	30.250	30.136	....	70.5	67.3	.630	85.	60	..	..	..	Ci-cu.
	9	23.	768.05	30.125	72.1	30.226	30.109	88.2	73.	69.	.659	84.	25	..	..	..	Clear.
	10	24.1	768 15	30.123	73.7	30.226	30.106	91.	74.6	69.7	.665	82.2	78	.6	..	..	Clear.
	11	25.	767.80	30.104	75.	30.218	30 093	94.	76.6	71.1	.691	79.5	80	.9	..	..	Clear.
	12	25.3	767.50	30.091	76.	30.201	30.077	96.	78.	71.	.673	77.5	70	1.5	..	..	Clear.
	13	26.	767.10	30.072	77.	30.186	30.056	96.5	79 6	72.8	.721	78.	50	1.4	..	..	Light Ci.
	14	26.8	767.00	30.064	78.	30.180	30.017	95.	80.7	74.	.752	78.	30	1.3	..	.3	Ci., Cu.
	15	27.3	766.90	30.059	79.	30.176	30 041	94.	81.	73.5	.730	76.	50	1.3	..	.2	Ci., Cu.
	16	28.	766.30	30.032	80.	30.150	30.012	94.	81.3	74.2	.752	76.	42	1.2	..	.1	Ci.
	17	28.1	766.30	30 032	81.	30.157	30.016	....	81.4	74.4	.760	76.5	47	1.3	..	..	Hazy.
	18	28.3	765 75	30.008	81.	30.154	29.993	....	79.	73.	.731	78.	42	.4	..	..	Hazy.
	19	28.	765.25	29.990	81.1	30.120	29.979	....	78.	72.5	.726	79.	35	.1	..	..	Hazy.
	20	27.	765.50	30.005	80.1	30.132	29.994	....	73.5	70.	.688	83.	42	..	..	..	Hazy.
	21	26.7	765.60	30 010	79.5	30.135	29.999	....	72.4	69.	.666	87.2	30	..	..	..	Clear.
	22	26.2	765.75	30.017	78.9	30.132	29.997	....	71.5	68.8	.669	88.	44	..	..	..	Clear.
	23	25.8	765.90	30.026	78.2	30.138	30.005	69.2	71.	68.3	.658	88.4	38	..	..	..	Clear.

Observed dew point: 3*h*., 55°; 9*h*., 62°.5; 15*h*., 69°; 21*h*., 65°.

Day.	Hour.	Barometer No. 1. Temperature, centigrade.	Barometer No. 1. Obs'd height, millimetres.	Barometer No. 1. Corr. height, inches.	Barometer No. 2. Temperature, Fahrenheit.	Barometer No. 2. Obs'd height, inches.	Barometer No. 2. Corr. height, inches.	Thermometers, Fah. Radiation.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., degrees.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
30	0	26.2	762.95	29.909	80.6	30.028	29.888	....	73.	71.	.729	89.	310	..	..	.9	N., Ci s.
	1	27.	762.20	29.875	80.	30.006	29.868	....	73.	71.	.729	89.	310	..	..	1.0	Ci-cu., Cu., Ci s.
	2	27.	761.75	29.858	79.5	29.980	29.844	....	72.9	70.9	.726	91.	310	..	..	.2	Cu., Cu-s., Ci s.
	3	27.	761.70	29.856	79.3	29.976	29.846	....	73.3	70.9	.722	90.	200	..	..	.5	Cu., Ci s.
	4	23.8	761.55	29.851	78.8	29.970	29.834	....	74.8	72.	.744	88.	220	..	..	.3	Cu , Ci s.
	5	21.7	761.30	29.841	78.8	29.968	29.832	....	75.6	72.3	.747	86.	220	..	..	.2	Cu., Ci s.
	6	26.7	761.30	29.841	78.5	20.966	29.832	....	77.	73.3	.768	86.	215	..	..	.3	Cu., Ci s.
	7	26.7	761.25	29.839	78.5	29.960	29.826	....	78.3	74.	.780	86.	35	.3	..	.3	Cu., Ci-s.
	8	28.	761.10	29.827	80.	29.946	29.808	....	80.	75.	.799	83.	45	.6	..	..	Clear.
	9	28.3	761.00	29.820	80.3	29.964	29.802	98.	81.2	75.7	.812	82.5	45	1.2	..	..	Clear.
	10	29	760.70	29.807	82.3	29.934	29.790	101.	82.8	76.7	.835	80.5	45	.8	..	..	Ci cu.
	11	29.5	760.40	29.793	83.4	29.924	29.778	101.3	83.5	76.4	.815	80.	45	.9	..	.2	Ci cu., Cu.
	12	30.	760.00	29.774	84.	29.908	29.759	103.	84.5	77.4	.844	79.	45	1.5	..	.4	Ci-cu., Cu.
	13	30.	759.60	29.758	84.5	29.890	29.740	103.5	83.5	77.	.816	77.5	55	.8	..	.4	Cu., Cu-s.
	14	30.2	758.75	29.724	85.	29.860	29.709	102.7	86.1	78.	.851	77.3	45	1.3	..	.3	Cu., Cu-s.
	15	31.	758.00	29.691	85.7	29.826	29.673	99.4	86.2	77.	.809	76.	45	1.0	..	.2	Cu., Cu-s.
	16	31.3	757.85	29.685	86.2	29.822	29.668	98.7	86.7	77.	.803	75.	45	2.2	..	.2	Cu., Cu-s.
	17	31.5	757.85	29.684	86.8	29.822	29.666	....	86.5	81.	.972	75.5	40	2.0	..	.2	Cu., Cu-s.
	18	31.2	757.40	29.667	86.9	29.809	29.653	....	85.	77.5	.842	77.	45	1.8	..	.1	Cu., Cu-s.
	19	31.	757.40	29.668	86.8	29.809	29.653	....	83.2	75.5	.783	77.2	45	1.2	..	.1	Cu., Cu s.
	20	30.7	757.35	29.667	86 2	29.807	29.653	....	81.	76.	.827	82.5	30	.4	..	..	Cu., Cu-s.
	21	30.2	757.35	29 669	85.8	29.807	29.654	....	80.4	74.9	.790	80.2	30	.2	..	..	Cu-s.
	22	30.	757.25	29.668	85.	29.804	29.653	....	79.5	74.	.766	82.	35	.4	..	..	Clear.
	23	....	.....	*29.668	....	.....	*29.653	....	*79.	....	*.760	*83.	35	1.0	..	..	

* Supplied.

Observed dew point: 3*h*., 67°; 9*h*., 73°.3; 15*h*., 71°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
30	0	26.2	762.95	29.909	80.6	30.028	29.888	....	73.	71.	.729	89.	310	..	..	.9	N., Ci s.
	1	27.	762.20	29.875	80.	30.006	29.868	....	73.	71.	.729	89.	310	..	..	1.0	Ci-cu., Cu., Ci s.
	2	27.	761.75	29.858	79.5	29.980	29.844	....	72.9	70.9	.726	91.	310	..	..	.2	Cu., Cu-s., Ci s.
	3	27.	761.70	29.856	79.3	29.976	29.846	....	73.3	70.9	.722	90.	200	..	..	.5	Cu., Ci-s.
	4	23.8	761.55	29.851	78.8	29.970	29.834	....	74.8	72.	.744	88.	220	..	..	.3	Cu , Ci s.
	5	21.7	761.30	29.841	78.8	29.968	29.832	....	75.6	72.3	.747	86.	220	..	..	.2	Cu., Ci s.
	6	26.7	761.30	29.841	78.5	20.966	29.832	....	77.	73.3	.768	86.	215	..	..	.3	Cu., Ci s.
	7	26.7	761.25	29.839	78.5	29.960	29.826	....	78.3	74.	.780	86.	35	.3	..	.3	Cu., Ci-s.
	8	28.	761.10	29.827	80.	29.946	29.808	....	80.	75.	.799	83.	45	.6	..	..	Clear.
	9	28.3	761.00	29.820	80.3	29.964	29.802	98.	81.2	75.7	.812	82.5	45	1.2	..	..	Clear.
	10	29	760.70	29.807	82.3	29.934	29.790	101.	82.8	76.7	.835	80.5	45	.8	..	..	Ci cu.
	11	29.5	760.40	29.793	83.4	29.924	29.778	101.3	83.5	76.4	.815	80.	45	.9	..	.2	Ci cu., Cu.
	12	30.	760.00	29.774	84.	29.908	29.759	103.	84.5	77.4	.844	79.	45	1.5	..	.4	Ci-cu., Cu.
	13	30.	759.60	29.758	84.5	29.890	29.740	103.5	83.5	77.	.816	77.5	55	.8	..	.4	Cu., Cu-s.
	14	30.2	758.75	29.724	85.	29.860	29.709	102.7	86.1	78.	.851	77.3	45	1.3	..	.3	Cu., Cu-s.
	15	31.	758.00	29.691	85.7	29.826	29.673	99.4	86.2	77.	.809	76.	45	1.0	..	.2	Cu., Cu-s.
	16	31.3	757.85	29.685	86.2	29.822	29.668	98.7	86.7	77.	.803	75.	45	2.2	..	.2	Cu., Cu-s.
	17	31.5	757.85	29.684	86.8	29.822	29.666	....	86.5	81.	.972	75.5	40	2.0	..	.2	Cu., Cu-s.
	18	31.2	757.40	29.667	86.9	29.809	29.653	....	85.	77.5	.842	77.	45	1.8	..	.1	Cu., Cu-s.
	19	31.	757.40	29.668	86.8	29.809	29.653	....	83.2	75.5	.783	77.2	45	1.2	..	.1	Cu., Cu s.
	20	30.7	757.35	29.667	86 2	29.807	29.653	....	81.	76.	.827	82.5	30	.4	..	..	Cu., Cu-s.
	21	30.2	757.35	29.669	85.8	29.807	29.654	....	80.4	74.9	.790	80.2	30	.2	..	..	Cu-s.
	22	30.	757.25	29.668	85.	29.804	29.653	....	79.5	74.	.766	82.	35	.4	..	..	Clear.
	23	....	.....	*29.668	....	.....	*29.653	....	*79.	....	*.760	*83.	35	1.0	..	..	

* Supplied.

Observed dew point: 3*h*., 67°; 9*h*., 73°.3; 15*h*., 71°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
22	0	19.6	767.40	30.115	66.4	30.204	30.102	....	55.2	51.	.339	79.	145	..	..	..	Ci-s. at Hor.
	1	19.2	767.40	30.117	65.7	30.214	30.115	....	54.3	50.5	.337	79.5	176	..	..	.1	S. at Hor.
	2	18.9	767.25	30.112	65.1	30.196	30.098	....	54.	50.4	.339	80.8	174	..	..	..	Clear.
	3	18.4	767.15	30.111	64.5	30.186	30.090	....	53.6	50.	.333	82.3	165	..	..	.2	S. at Hor.
	4	18.	767.65	30.133	63.6	30.200	30.106	....	53.4	50.	.335	83.7	162	.3	..	.2	S., Ci-s. at Hor.
	5	17.7	767.75	30.138	63.2	30.210	30.117	....	53.	50.	.339	83.5	170	.3	..	.3	S., Ci-s. at Hor.
	6	17.5	768.20	30.157	62.4	30.232	30.141	....	53.2	50.	.337	83.8	165	.2	..	.4	S.
	7	17.9	768.25	30.166	62.6	30.252	30.161	....	56.6	53.	.374	82.6	168	.2	..	..	Clear.
	8	18.3	768.85	30.179	63.2	30.260	30.167	....	59.2	54.5	.382	80.2	187	.2	..	.2	Ci., Ci-s.
	9	19.	768.75	30.171	64.2	30.264	30.167	78.	63.	56.	.380	75.	160	.3	..	..	Clear.
	10	19.4	768.80	30.170	65.6	30.260	30.159	83.5	64.7	56.2	.366	71.5	160	.7	..	..	Cu.
	11	19.8	768.75	30.167	66.	30.258	30.156	....	66.6	57.1	.369	69.5	190	.4	..	.1	Cu., *NNE.*
	12	20.5	768.55	30.155	67.	30.252	30.147	89.	68.2	57.7	.367	67.5	180	.8	..	.3	Cu., *NNE.*
	13	21.	768.35	30.146	68.	30.242	30.136	91.	69.5	58.6	.377	66.7	180	.3	..	.2	Cu., *NNE.*
	14	21.3	768.05	30.133	68.6	30.230	30.123	92.3	71.	59.5	.386	65.	180	.2	..	.3	Cu , *NNE.*
	15	22.	767.80	30.130	69.2	30.220	30.110	89.5	72.1	59.1	.362	63.7	160	..	..	.4	Cu., *NNE.*
	16	22.2	767.65	30.111	70.	30.214	30.113	89.	71.9	59.	.361	63.5	170	.1	..	.2	Cu., *NNE.*
	17	23.	768.00	30.123	71.	30.226	30.112	....	72.	59.7	.380	64.	200	..	..	.2	Cu., *NNE.*
	18	22.8	768.50	30.144	71.3	30.252	30.136	....	71.2	61.4	.438	64.5	200	..	..	.1	Cu.
	19	22.7	768.70	30.152	71.3	30.260	30.144	....	69.5	61.	.446	77.8	160	..	..	..	Cu.
	20	21.7	769.25	30.176	71.	30.275	30.159	....	63.	59.	.461	79.9	160	..	..	..	Cu.
	21	21.9	769.40	30.181	70.	30.278	30.165	....	60.4	58.	.462	86.	160	..	..	..	Cu.
	22	21 5	769.30	30.180	69.9	30.272	30.159	56.9	58.6	55.6	.417	85.5	160	..	..	..	Clear.
	23	21.1	769.20	30.177	69.3	30.270	30.159	54.8	58.8	55.	.399	83.2	163	..	..	..	Clear.

Observed dew point: 3*h*., 44°; 9*h*., 51°; 15*h*., 49°.7; 21*h*. 53°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
4	0	22.3	768.75	30.154	71.7	30.248	30.133	....	60.6	59.	.488	90.4	209	..	..	.1	S. or Ci-s.
	1	22.	768.40	30.142	71.	30.230	30.116	....	59.4	57.8	.468	91.	208	..	..	.2	S or Ci-s.
	2	21.7	768.00	30.129	70.4	30.218	30.106	....	59.	57.6	.467	91.2	204	..	..	..	Clear.
	3	22.	767.50	30.108	69.7	30.204	30.094	....	58 6	57 5	.469	91.	185	..	..	..	Clear.
	4	21.9	767.25	30.098	69.	30.202	30.093	....	58.	56.5	.448	91.	185	..	..	.5	Ci-s., Ci.
	5	21.3	767.30	30.103	68.8	30.204	30.095	....	58.3	56.6	.448	90.	185	..	..	1.0	Ci-s.
	6	20.4	767.35	30.110	68.	30.206	30.100	....	59.3	57.	.447	88.	165	..	..	1.0	Ci-s , Ci-cu.
	7	20.3	767.30	30.108	67.5	30.204	30.100	....	61.5	58.7	.470	86.	165	..	..	1.0	Ci-s., Ci cu.
	8	20.3	767.60	30.120	67.5	30.224	30.120	....	64.5	60.3	.482	82.	210	..	..	1.0	Ci-s., Ci.
	9	20.5	767.60	30.118	67.5	30.220	30.116	....	66.4	62.4	.522	81.	195	..	..	1.0	Ci-s., Ci.
	10	20.7	767.45	30.112	67.8	30.208	30.102	....	67.	61.8	.497	80.	260	.1	..	1.0	Ci-s., Ci.
	11	21.	767.60	30.116	68.2	30.213	30.107	....	68.4	63.	.518	80.5	220	.2	..	1.0	Ci-s , Cu., Ci.
	12	21.5	767.70	30.119	69.	30.207	30.108	....	69.8	64.	.532	77.	250	.6	..	1.0	Ci-s., Cu., Ci.
	13	21.7	767.30	30.101	69.3	30.202	30.092	....	70.	61.9	.466	74.	255	.7	..	1.0	Ci-s , Cu , Ci.
	14	21.8	766.90	30.086	69.9	30.185	30.074	....	69.5	62.	.475	73.	225	.8	..	1.0	Ci-s., Cu., Ci.
	15	21.8	766.90	30.086	70.	30.185	30.074	....	68.5	60.8	.451	73.2	225	.6	..	1.0	Ci-s., Cu., Ci.
	16	21.5	766.60	30.076	70.	30.178	30.067	....	68.	60.8	.456	75.	250	..	..	1.0	Ci s., Cu., Ci.
	17	21.5	766.35	30.066	70.	30.165	30.054	....	67.	60.9	.471	76.8	250	..	..	1.0	N., ? Ci.
	18	21.5	766.30	30.064	70.	30.163	30.052	....	66.	62.	.574	79.8	250	..	..	1.0	N., ? Ci.
	19	21.1	766.20	30.061	69.6	30.156	30.046	....	65.5	62.	.520	82.	230	..	..	1.0	Dark.
	20	21.1	766.20	30.061	69.5	30.156	30.046	....	64.4	61.	.503	83.	230	..	..	1.0	Cu-s., N.
	21	21.3	766.45	30.070	69.	30.160	30.051	....	64.8	61.	.498	83.	230	..	..	1.0	Cu s , N.
	22	21.1	765.70	30.041	69.	30.130	30.021	....	61.8	57.	.419	83.2	255	.5	..	1.0	N.
	23	20.4	765.35	30.031	68.4	30.120	30.013	....	59.6	57.	.444	84.	245	1.2	.02	1.0	N.

Observed dew point: 3*h*., 52°; 9*h*., 57°.5; 15*h* , 55°.5; 21*h*., 58°.8.

Day.	Hour.	Barometer No. 1. Temperature, centigrade.	Barometer No. 1. Obs'd height, millimetres.	Barometer No. 1. Corr. height, inches.	Barometer No. 2. Temperature, Fahrenheit.	Barometer No. 2. Obs'd height, inches.	Barometer No. 2. Corr. height, inches.	Thermometers, Fah. Radiation.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., degrees.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
6	0	19.7	766.30	30.072	66.8	30.166	30.063	....	60.9	59.6	.501	89.9	276	..	..	.1	Ci-s.
	1	19.6	766.40	30.076	66.5	30.172	30.070	....	60.3	59.5	.506	89.9	321	..	..	..	Clear.
	2	19.5	766.85	30.095	66.1	30.178	30.077	....	59.8	59.1	.500	89.9	320	..	..	.3	S. around Hor.
	3	19.7	766.50	30.080	65.9	30.166	30.065	....	60.3	59.5	.506	91.	315	..	..	.3	N.
	4	20.1	766.60	30.082	65.7	30.172	30.073	....	59.5	59.	.500	90.	315	..	..	.4	Ci., Cu.
	5	19.8	766.75	30.090	65.3	30.182	30.183	....	59.7	59.2	.503	92.	260	..	..	1.0	Ci-cu., N.
	6	18.7	767.00	30.104	65.	30.188	30.090	....	60.4	59.9	.515	92.	255	..	..	.8	Ci-cu., N.
	7	19.	767.50	30.122	64.9	30.204	30.110	....	62.5	61.5	.539	91.	255	..	..	.8	Ci-cu., N.
	8	19.1	767.60	30.125	65.	30.208	30.110	....	65.	63.6	.574	90.	270	..	..	.6	Ci-cu., Ci.
	9	19.8	767.75	30.129	65.5	30.232	30.133	....	68.6	66.3	.618	88.	290	..	..	.4	Ci-cu., Ci.
	10	21.8	768.00	30.129	67.9	30.232	30.126	....	71.6	67.9	.638	83.	315	..	..	.3	Ci cu., Ci.
	11	22.8	768.40	30.140	70.	30.240	30.129	....	73.6	68.5	.635	80.	308	..	..	1.0	Cu., Ci-cu., Ci-s., Ci.
	12	23.	768.25	30.133	71.2	30.236	30.122	....	74.2	68.	.612	77.	307	..	..	1.0	Cu., Ci-s., Ci.
	13	23.7	767.95	30.118	72.1	30.220	30.103	....	75.5	69.	.631	77.	320	..	..	1.0	Cu., Ci-s., Ci.
	14	24.	767.60	30.103	73.	30.210	30.091	....	75.5	69.4	.645	76.	320	..	..	1.0	Cu., Ci-s., Ci.
	15	24.5	767.35	30.090	74.	30.204	30.082	....	75.3	68.	.599	74.	260	..	..	1.0	Cu., Ci-s., Ci.
	16	24.8	766.90	30.072	74.5	30.185	30.062	....	75.4	67.7	.577	73.8	270	..	..	1.0	Cu., Ci-s., Ci.
	17	24.7	766.80	30.068	75.	30.180	30.055	....	75.	67.8	.596	75.	270	..	..	1.0	Cu., Cu-s.
	18	23.8	766.60	30.064	75.	30.172	30.047	....	71.5	68.5	.658	85.	280	..	..	1.0	Cu., Ci-s., Ci.
	19	23.5	766.60	30.065	74.8	30.172	30.047	....	70.9	67.4	.629	87.2	260	..	..	1.0	Cu., N., Ci-s.
	20	23.8	767.10	30.083	74.	30.188	30.066	....	67.5	64.	.558	89.5	270	..	..	1.0	Cu., N., ? Ci-s.
	21	23.7	767.25	30.090	73.5	30.198	30.078	....	65.5	63.4	.563	91.	260	..	..	1.0	Cu., N., ? Ci-s.
	22	23.2	767.25	30.091	73.	30.198	30.079	....	65.5	63.5	.566	90.8	265	..	..	1.0	N., ? Cu s ?
	23	23.	767.00	30.083	72.3	30.188	30.069	....	65.5	64.	.580	91.5	265	..	..	.2	Ci s.

Observed dew point: 3*h*., 56°.2; 9*h*., 60°.5; 15*h*., 63°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
9	0	....	.....	*29.906	....	.....	*29.882	....	*67.9	....	*.636	*92.3	344	..	..	..	
	1	24.6	762.85	29.912	75.4	30.012	29.886	....	68.5	67.5	.659	92.7	345	..	..	1.0	N. ?
	2	24.4	762.85	29.913	75.	30.012	29.887	....	68.3	67.4	.658	92.8	345	..	..	1.0	N.
	3	24.3	762.90	29.915	74.8	30.024	29.899	....	68.5	67.5	.659	92.2	345	..	..	1.0	N.
	4	24.5	762.95	29.917	74.5	30.032	29.909	....	68.5	67.4	.656	92.3	345	..	..	1.0	N.
	5	24.2	763.25	29.929	74.2	30.040	29.918	....	68.	67.	.648	92.3	345	..	..	1.0	N., S.
	6	23.7	763.95	29.960	73.9	30.066	29.944	....	66.9	66.1	.631	92.5	345	..	..	1.0	Ci s., S.
	7	23.8	764.25	29.970	73.7	30.082	29.962	....	68.6	67.3	.651	91.	305	..	..	.8	Ci., Ci cu.
	8	24.	764.50	29.979	73.9	30.092	29.970	....	72.	69.4	.683	88.	275	..	..	.8	Ci., Ci cu.
	9	23.7	764.85	29.995	74.	30.094	29.972	....	73.	70.	.694	88.8	278	..	..	1.0	Cu., Ci-cu.
	10	24.3	765.00	29.997	74.5	30.112	29.989	....	75.3	71.5	.721	86.	315	..	..	.9	Cu., Ci cu., Ci.
	11	25.	761.80	29.987	75.2	30.100	29.975	98.	77.1	72.6	.741	83.	356	..	..	.9	Cu., Ci., Ci-s.
	12	25.9	764.30	29.963	76.5	30.080	29.952	101.7	77.7	71.5	.695	78.5	100	..	..	.8	Cu , Ci., Ci-s.
	13	25.3	764.30	29.966	76.7	30.080	29.951	....	75.5	71.6	.723	85.	100	..	..	1.0	N., Cu-s., raining.
	14	25.6	763.60	29.936	77.	30.056	29.926	....	76.	73.	.769	88.	45	..	..	1.0	N., Cu-s., Ci-s.
	15	25.6	763.70	29.940	77.	30.060	29.930	....	75.5	72.5	.755	88.7	45	..	..	1.0	N., Cu-s., Ci-s.
	16	25.6	763.95	29.950	77.5	30.070	29.939	....	75.5	71.5	.719	88.2	270	..	..	.3	N., Cu s.
	17	25.6	763.95	29.950	77.2	30.070	29.940	....	76.5	72.2	.734	86.2	290	..	..	..	Ci cu , Ci-s.
	18	26.	763.95	29.949	77.5	30.070	29.939	....	74.7	70.6	.696	85.2	330	..	..	..	Cu., Ci-s.
	19	26.	764.20	29.959	77.8	30.083	29.950	....	72.	69.7	.695	88.8	325	.1	..	..	Cu., Ci s.
	20	25.6	764.80	29.984	77.	30.096	29.966	....	70.	68.	.659	89.2	342	..	..	..	Cu., Ci s.
	21	25.4	765.20	30.001	76.9	30.110	29.980	....	69.	67.5	.653	92.	344	..	..	..	Cu., Ci-s.
	22	25.2	765.25	30.003	76.6	30.114	29.986	....	68.3	67.	.644	92.2	342	..	..	.2	Cu., C-is.
	23	24.9	765.50	30.014	76.	30.118	29.991	....	68.2	67.	.646	92.1	342	..	..	1.0	N.

* Supplied.

Observed dew point: 3*h*., 65°.1; 9*h*., 68°.5; 15*h*., 70°.6; 21*h*., 67°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
11	0	23.8	766.55	30.061	74.	30.156	30.034	....	67.4	66.3	.632	92.	350	..	..	1.0	N.
	1	23.7	766.35	30.055	73.7	30.152	30.031	....	67.1	66.3	.635	92.2	350	..	..	1.0	N.
	2	23.5	765.00	30.001	73.4	30.136	30.016	....	67.	66.3	.636	92.5	267	..	..	1.0	S.
	3	23.4	765.60	30.126	73.	30.136	30.017	....	67.	66.5	.643	92.	275	..	..	1.0	Dark.
	4	23.3	765.25	30.012	72.9	30.124	30.005	....	67.2	67.	.657	92.	265	..	..	1.0	S.
	5	23.1	765.70	30.032	72.8	30.138	30.019	....	67.7	67.4	.665	92.	280	..	..	1.0	S.
	6	23.	766.00	30.044	72.4	30.162	30.048	....	67.7	67.5	.668	92.	115	..	..	1.0	S.
	7	22.9	765.95	30.043	72.1	30.158	30.041	....	68.3	67.4	.658	92.	165	..	..	.9	Ci-cu., N.
	8	22.8	766.25	30.055	72.1	30.161	30.047	....	69.6	68.4	.676	92.	165	..	..	1.0	Ci-cu., N.
	9	23.	766.25	30.054	72.2	30.164	30.047	....	71.5	69.	.676	89.5	235	..	..	1.0	N.
	10	23.3	766.60	30.066	72.7	30.178	30.060	....	74.2	71.	.715	88.9	240	..	..	1.0	N.
	11	24.	766.60	30.063	73.5	30.178	30.058	....	76.7	71.5	.705	85.2	115	..	..	.9	Ci s., Cu s., Ci.
	12	24.5	766.15	30.043	74.	30.156	30.034	....	77.8	73.	.748	83.5	15	..	..	.7	Ci s., Cu s., Ci.
	13	25.2	765.70	30.021	75.2	30.136	30.011	120.	78.5	73.5	.759	81.	30	..	..	.4	Cu-s.
	14	25.8	765.50	30.010	76.3	30.120	29.992	....	79.5	75.	.804	80.	60	..	..	.8	Cu-s., Cu.
	15	26.	765.50	30.009	77 5	30.106	29.975	....	79 5	73.8	.759	79.1	60	..	..	.7	Cu s., Cu.
	16	26.5	765.50	30.008	78.	30.106	29.973	....	79 8	72.5	.708	76.	145	..	..	.9	Cu-s., Cu.
	17	26.7	765.20	29.994	78 3	30.112	29.978	....	73.8	69.3	.661	85.2	260	..	..	.2	Raining, Cu-s., N., Ci.
	18	26.1	765.00	29.989	78.2	30.109	29.976	....	74.5	70.	.677	84.	240	..	..	.1	Cu-s., Ci.
	19	26.	765.15	29.996	78.	30.116	29.983	....	73.	69.	.659	86.5	240	..	..	.7	Cu-s., Ci.
	20	25.9	765.60	30.014	77.5	30.134	30 003	....	69.8	67.5	.644	90.9	260	..	..	..	Clear.
	21	25.5	765.90	30.027	77.	30.141	30.011	....	69.	67.5	.653	91.	240	..	..	..	Clear, Ci s.
	22	23.7	765.75	30.031	75.5	30.130	30.004	69.	67.8	66.9	.647	90.9	240	..	..	..	Clear.
	23	23.8	765.90	30.035	74.6	30.136	30.013	66.4	67.6	66.6	.640	92.	211	..	..	..	Clear.

Observed dew point: 3*h.*, 63°; 9*h.*, 66°.5; 15*h.*, 70°; 21*h.*, 60°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
13	0	23.3	765.60	30.026	73.	30.122	30.003	65.	66.7	65.8	.621	92.	223	..	..	.2	Ci-s. at Hor.
	1	23.2	765.55	30.025	72.8	30.118	29.999	....	66.6	65.8	.625	92.1	219	..	..	1.0	N., slight drizzle.
	2	23.1	765.50	30.024	72.7	30.114	29.996	65.4	66.9	66.	.628	92.	266	..	..	..	Clear.
	3	23.	765.55	30.026	72.1	30.126	30.009	64.5	66.5	65.6	.620	92.	240	..	..	.2	N.
	4	22.9	765.60	30.029	72.	30.136	30.019	....	66.	65.	.606	92.	220	..	..	.9	N.
	5	22.8	765.95	30.043	71.9	30.146	30.029	....	65.5	64.	.580	92.	215	..	..	.9	Ci-cu., N.
	6	22.3	766.40	30.063	71.2	30.156	30.042	....	65.6	64.5	.595	92.	225	..	..	.9	Ci-cu., N.
	7	22.2	766.90	30.083	71.	30.184	30.070	....	66.4	64.8	.595	91.	225	..	..	.9	Ci-cu., N.
	8	22.	767.00	30.088	71.	30.184	30.070	....	68.5	66.4	.622	89.	210	..	..	1.0	N., Ci-cu.
	9	21.8	767.30	30.101	70.6	30.191	30.079	....	68.5	65.8	.604	89.	240	..	..	1.0	N.
	10	22.3	767.50	30.106	70.9	30.206	30.092	....	71.4	66.9	.607	83.8	250	..	..	1.0	Ci-cu., N., Cu-s.
	11	23.3	767.35	30.095	72.	30.202	30.085	....	73.5	70.5	.705	83.	205	..	..	1.0	Ci-cu., N., Cu-s.
	12	24.	767.35	30.092	72.9	30.200	30.081	....	74.6	69.6	.662	81.8	180	..	..	1.0	Ci cu., Cu-s.
	13	24.2	767.35	30.091	73.5	30.200	30.080	....	75.5	69.5	.648	81.	260	..	..	1.0	N., Ci-cu.
	14	24.2	767.00	30.077	74.	30.184	30.062	....	74.	68.7	.638	81.	260	..	..	1.0	N., Cu-s.
	15	24.5	767.00	30.076	74.8	30.184	30.059	....	73.2	68.4	.636	85.	305	..	..	1.0	N., Cu-s.
	16	24.3	767.00	30.076	74.8	30.184	30.059	....	74.	70.4	.696	86.	305	..	..	1.0	N., Cu-s.
	17	24.7	767.00	30.075	75.	30.184	30.059	....	74.	70.2	.689	84.5	305	..	..	1.0	N., Cu-s.
	18	24.4	767.00	30.076	75.	30.184	30.059	....	72.5	69.8	.692	85.	305	..	..	1.0	N., Cu-s.
	19	24.3	767.25	30.086	75.	30.194	30.069	....	72.	69.5	.687	85.	350	..	..	1.0	N., Cu-s.
	20	24.2	767.70	30.105	74.7	30.210	30.086	....	69.5	....	....	90.	15	..	..	1.0	N., showery.
	21	24.	767.80	30.110	74.5	30.216	30.093	....	68.5	66.8	.636	91.	65	..	..	1.0	N., Cu-s.
	22	24.	767.30	30.090	74.1	30.200	30.078	....	68.	66.5	.631	91.5	225	..	..	.8	Ci-cu., Ci-s.
	23	....	.....	*30.080	....	.....	*30.070	....	*67.8	....	*.625	*92.	..	..	..	*.6	

* Supplied.

Observed dew point: 3*h*., 64°.5; 9*h*., 63°.5; 15*h*., 67°.3; 21*h*., 65°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
16	0	25.2	763.35	29.928	76.7	30.038	29.909	....	67.	65.5	.611	92.2	356	..	..	..	Hazy.
	1	24.8	763.15	29.923	76.	30.022	29.895	....	65.8	64.7	.599	92.2	356	..	..	..	Hazy.
	2	24.6	763.40	29.933	75.5	30.028	29.902	....	65.1	64.1	.588	92.	356	..	..	1.0	S.
	3	....	.....	*29.914	....	.....	*29.899	....	*65.3	....	*.574	*92.	..	..	..	*1.0	
	4	23.7	762.45	29.901	73.7	30.016	29.896	....	63.5	62.6	.560	92.	356	..	..	1.0	S.
	5	23.6	762.25	29.893	73.2	30.010	29.891	....	62.5	61.5	.539	91.	356	..	..	1.0	S.
	6	23.1	762.50	29.906	73.8	30.018	29.899	....	63.3	62.5	.560	92.	275	..	..	1.0	S.
	7	22.7	762.60	29.912	72.1	30.028	29.911	....	66.5	65.4	.614	91.5	265	..	..	1.0	S.
	8	23.1	762.60	29.910	72.2	30.018	29.901	....	69.5	67.6	.651	89.5	265	..	..	1.0	S.
	9	23.8	762.75	29.911	73.4	30.026	29.906	....	73.3	70.5	.708	88.	295	..	..	..	Clear.
	10	24.8	762.60	29.902	74.8	20.024	29.899	....	76.2	72.1	.732	84.	295	..	..	..	Clear.
	11	25.2	762.70	29.903	75.7	30.014	29.888	96.	78.6	73.8	.769	83.3	345	..	..	.6	S., Cu-s.
	12	26.	762.60	29.896	76.8	30.010	29.881	97.	79.8	73.3	.737	79.5	340	..	..	.7	S., Cu-s.
	13	26.3	762.40	29.886	77.4	30.004	29.873	93.3	79.	71.7	.688	77.	30	..	..	.9	S., Cu s., Cu.
	14	26.5	762.15	29.875	78.	29.992	29.859	....	81.	74.	.750	77.	60	.1	..	.9	S, Cu s., Cu., *S.*
	15	27.	762.00	29.867	78.5	29.981	29.847	....	80.8	73.4	.730	77.	35	.2	..	.9	S., Cu-s., Cu., *S.*
	16	27.4	761.95	29.863	79.5	29.980	29.844	....	78.9	73.2	.743	80.1	20	.3	..	1.0	S., Cu-s., Cu.
	17	27.3	761.90	29.862	79.9	29.978	29.840	....	77.4	72.5	.734	81.9	10	.2	..	1.0	S., Cu-s., Cu.
	18	27.	761.95	29.866	79.9	29.981	29.843	....	74.8	71.4	.724	84.9	10	.1	..	..	S., hazy, Ci-s.
	19	26.8	762.00	29.868	79.6	29.983	29.847	....	74.	70.	.683	86.1	10	..	..	..	S., hazy, Ci., Ci s.
	20	26.	762.50	29.892	78.5	30.017	29.883	....	70.8	68.2	.657	89.9	10	..	..	..	S., hazy.
	21	26.	762.30	29.884	78.	30.010	29.877	....	69.4	66.8	.626	90.	10	..	..	..	Hazy.
	22	25.3	762.30	29.887	77.2	30.006	29.876	....	68.2	66.4	.626	92.	7	..	..	..	Hazy.
	23	25.2	762.40	29.891	76.9	30.006	29.876	....	67.1	65.5	.610	92.	7	..	..	..	Hazy.

* Supplied

Observed dew point: 9*h*., 62°.5; 15*h*., 67°.5; 21*h*., 64°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
18	0	25.9	760.60	29.818	77.9	29.926	29.793	....	73.1	72.	.763	91.3	350	.1	..	1.0	N.
	1	25.7	760.60	29.809	77.7	29.926	29.795	....	71.5	70.4	.724	91.5	0	.1	.42	.8	N., Cu., rain.
	2	25.6	760.55	29.817	77.5	29.924	29.793	....	71.5	71.	.745	91.6	356	..	..	.9	Cu., N.
	3	25.5	760.55	29.817	77.2	29.924	29.794	....	71.2	70.6	.734	92.	350	..	..	.8	Cu.,
	4	25.7	760.25	29.805	77.	29.926	29.796	....	73.	72.5	.782	91.	350	..	..	1.0	S.
	5	25.8	760.60	29.818	77.	29.932	29.802	....	73.2	72.5	.780	91.	355	..	..	1.0	S.
	6	25.5	761.00	29.834	76.9	29.964	29.834	....	73.6	73.	.794	91.	350	..	..	1.0	S.
	7	25.5	761.20	29.842	77.	29.968	29.838	....	75.5	74.5	.830	91.	350	..	..	1.0	Ci-s.
	8	25.8	761.50	29.853	77.1	29.970	29.840	....	77.4	75.5	.847	89.8	15	..	..	1.0	Ci., Cu-s., N., *S.*
	9	25.5	761.80	29.866	77.4	29.980	29.849	....	76.1	74.5	.822	90.5	65	..	..	.8	Ci., Cu s., Ci-s., (1) *W.*, (2) *S.*
	10	26.2	761.85	29.866	78.	29.980	29.847	100.	78.8	76.	.851	87.3	60	..	..	.6	Ci., Cu-s., Ci-s., *SSW.*
	11	27.	761.75	29.858	78.5	29.976	29.842	106.	81.	77.7	.895	87.	15	..	..	.5	Ci., Cu., Cu-s., *WSW.*
	12	27.6	761.60	29.849	79.5	29.970	29.834	102.5	82.	77.1	.859	84.	25	..	..	.5	Ci., Cu., Cu s., Ci-cu., *WSW.*
	13	28.1	761.40	29.839	80.8	29.956	29.816	103.5	84.	78.2	.882	81.5	10	..	..	.4	Ci., Cu s., *WSW.*
	14	29 2	761.20	29.825	81.8	29.916	29.803	102.	84.	76.2	.801	77.	35	..	..	.3	Ci., Cu-s., *SW.*
	15	30.	761.20	29.821	83.	29.950	29.804	101.5	83.5	73.8	.715	73.5	50	.3	..	.3	Ci., Cu-s., *SW.*
	16	30.	761.20	29.821	83.	29.950	29.804	98.1	83 9	73.8	.711	72.	60	.2	..	.2	Ci., Cu-s., Ci-cu., *SW.*
	17	30.	761.00	29.813	83.	29.944	29.798	....	83.9	74.5	.736	73.	55	.1	..	.2	Ci., Ci-cu., Cu., *SW.*
	18	29.5	761.00	29.816	83.5	29.946	29.799	....	81.5	75.	.782	78.8	55	..	..	.2	Ci., Ci-cu., *SW.*
	19	29.2	761.00	29.817	83.5	29.947	29.800	....	80.	73.8	.754	79.	55	..	..	.1	Ci., Ci-cu., *SW.*
	20	28.3	761.90	29.857	82.5	29.984	29.840	....	76.5	70.7	.680	82.	55	..	..	..	Ci., Ci-cu.
	21	28.2	761.95	29.858	82.	29.986	29.843	69.2	75.	71.5	.724	86.	35	..	..	.4	Ci., Cu-s., *SW.*
	22	27.6	762.00	29.864	81.3	29.984	29.842	70.3	75.2	72.3	.751	88.5	22	..	..	.3	Cu., Ci-cu., Ci-s., *WSW.*
	23	27.3	761.80	29.858	80.8	29.972	29.831	69.8	74.2	71.5	.733	88.8	22	..	..	..	Ci cu.

Observed dew point: 3*h.*, 68°.8; 9*h.*, 74°; 15*h.*, 68°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
20	0	25.1	763.95	29.953	76.	30.060	29.933	60.5	66.4	64.	.570	88.2	119	..	..	.1	Ci-cu., Ci-s.
	1	25.	764.00	29.955	75.7	30.050	29.924	....	65.2	63.6	.571	90.9	119	..	..	1.0	Ci cu., Cu.
	2	24.7	763.00?	29.917?	75.5	30.054	29.928	60.2	65.4	63.8	.575	90.9	119	..	..	.1	Ci-s., Ci cu.
	3	24.6	763.75	29.947	75.	30.064	29.939	....	64.	62.5	.552	91.	120	..	..	.5	Ci., Cu., N.
	4	24.3	763.90	29.954	74.7	30.072	29.949	....	63.	62.	.548	91.	120	..	..	.7	Ci., Cu., N.
	5	24.	764.00	29.959	74.1	30.074	29.952	58.5	62.5	61.5	.539	91.5	120	..	..	.4	Ci., Cu., N.
	6	23.5	764.60	29.986	73.6	30.090	29.970	....	63.5	62.5	.558	91.5	120	..	..	.2	Ci., Ci cu.
	7	23.6	765.00	30.001	73.5	30.108	29.988	....	67.3	64.5	.575	87.	120	..	..	.7	Ci., Cu., N.
	8	24.6	764.95	29.995	74.5	30.108	29.985	94.9	71.7	66.5	.590	79.	120	..	..	.5	Ci., Ci-cu.
	9	24.7	765.40	30.012	75.	30.122	29.997	....	74.6	67.	.574	71.5	110	..	..	.6	Ci., Ci-cu., *WSW.*
	10	25.1	765.50	30.014	75.7	30.130	30.004	105.8	76.3	67.1	.558	70.7	65	..	..	.6	Ci., Ci cu., *WSW.*
	11	25.5	765.20	29.999	76.3	30.114	29.986	99.	76.1	66.3	.534	69.	70	..	..	.9	Ci., Cu., Ci cu., *WSW.*
	12	26.	765.05	29.991	77.	30.108	29.978	97.	77.	67.5	.564	70.	105	..	..	.7	Ci., Cu., Ci-cu., Cu-s., *WSW.*
	13	26.5	764.70	29.977	77.8	30.100	29.968	102.	79.5	70.	.621	69.	40	..	..	.6	Ci., Cu., Ci-cu., Cu-s., *WSW.*
	14	26.7	764.50	29.967	78.2	30.084	29.951	101.3	79.	69.	.592	68.	80	..	..	.8	Ci., Cu., Ci-cu., Cu-s., *WSW.*
	15	27.	764.40	29.962	78.8	30.082	29.947	....	79.6	69.4	.599	68.2	85	..	..	.7	Ci., Ci cu., Cu-s., *WSW.*
	16	27.	764.40	29.962	79.	30.080	29.945	....	76.8	67.5	.566	69.	135	..	..	.9	Ci., Ci cu., Cu-s., *WSW.*
	17	26.5	764.50	29.969	79.	30.090	29.955	....	76.5	67.5	.569	69.8	135	..	..	.9	Ci., Ci-cu., Cu-s.
	18	27.	764.50	29.966	79.	30.097	29.962	....	78.	69.5	.620	70.	135	..	..	.6	Ci cu., Cu-s.
	19	27.	764.60	29.970	79.	30.101	29.966	....	76.3	69.5	.639	72.5	135	..	..	.2	Ci cu., Cu s.
	20	25.6	764.90	29.988	78.7	30.100	29.966	....	70.	66.2	.599	78.8	135	..	..	.1	Ci cu.
	21	24.3	765.05	29.999	76.9	30.112	29.982	66.1	67.4	65.4	.603	88.2	135	..	..	..	Clear.
	22	23.2	765.20	30.010	75.	30.114	29.989	60.	66.5	64.	.569	86.2	135	..	..	..	A few Ci.
	23	....	.....	*30.020	....	.....	*29.990	....	*65.	....	*.550	*84.	..	..	..	..	

* Supplied.

Observed dew point: 3*h*., 61°.5; 9*h*., 62°.8; 15*h*., 60°.5.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
23	0	23.2	771.70	30.265	73.2	30.356	30.235	....	64.	62.7	.557	92.2	281	..	..	.5	Ci., Ci cu., Ci-s
	1	22.9	771.30	30.252	72.8	30.354	30.233	60.4	63.4	62.4	.556	92.3	281	..	..	.2	Ci.
	2	22.6	771.20	30.249	72.2	30.340	30.231	58.8	63.	62.2	.554	92.3	240	..	..	.3	Ci., Ci-s.
	3	22.5	771.50	30.241	71.5	30.348	30.231	56.5	61.	60.5	.526	92.	240	..	..	..	A few Ci cu.
	4	22.3	771.00	30.242	71.1	30.348	30.231	56.2	60.5	59.8	.512	92.	240	..	..	..	Clear.
	5	22.1	771.35	30.258	70.9	30.366	30.250	56.1	60.6	60.	.516	92.	240	..	..	..	Ci. at Hor.
	6	21.8	771.85	30.279	70.2	30.382	30.268	....	62.	61.4	.541	92.	225	..	..	..	Ci.
	7	21.9	772.25	30.293	70.4	30.396	30.282	....	66.5	64.4	.581	88.9	225	..	..	.2	Ci.
	8	22.7	772.50	30.299	71.5	30.398	30.281	....	69.4	66.4	.612	86.5	235	.1	..	.3	Ci.
	9	23.3	772.50	30.296	73.	30.400	30.279	84.5	71.4	65.7	.568	80.	245	.5	..	.4	Ci., Cu., (1) *E.*, (2) *SW.*
	10	24.	772.50	30.293	73.7	30.400	30.278	....	74.	65.5	.533	73.5	265	.8	..	.5	Ci., Cu , (1) *E.*, (2) *SW.*
	11	24.7	772.40	30.287	74.2	30.396	30.272	....	75.2	66.2	.541	71.	285	.7	..	.6	Ci., Cu., (1) *E.*, (2) *SW.*
	12	25.	772.10	30.273	75.	30.384	30.257	96.	75.6	64.9	.495	67.	280	.5	..	.5	Ci., Cu., (1) *E.*, (2) *SW.*
	13	25.3	771.80	30.260	75.5	30.372	30.244	97.	76.	64.6	.481	65.	265	.5	..	.3	Ci., Cu.
	14	25.7	771.45	30.214	76.	30.360	30.231	97.5	76.	64.	.462	64.	265	.7	..	.2	Ci., Cu.
	15	25.9	771.10	30.229	76.2	30.350	30.221	95.5	75.9	64.5	.479	63.	285	.5	..	.2	Ci., Cu.
	16	25.7	771.00	30.226	76.	30.346	30.217	....	75.6	66.	.530	64.	275	.4	..	.9	Ci.
	17	25.2	771.10	30.232	76.	30.350	30.221	....	74.5	65.5	.527	66.	292	..	..	.8	Ci.
	18	24.5	771.10	30.236	75.5	30.350	30.222	....	71.3	63.7	.506	69.	282	.2	..	..	Ci., hazy.
	19	24.3	771.20	30.240	75.5	30.354	30.226	....	69.8	63.5	.517	73.	280	..	..	..	Ci., hazy.
	20	23.5	771.35	30.250	74.5	30.360	30.235	....	67.	61.5	.488	79.	205	..	..	..	Ci.
	21	23.1	770.85	30.233	73.5	30.342	30.220	59.2	64.4	60.5	.488	82.	260	..	..	..	Ci.
	22	22.3	770.45	30.220	72.3	30.318	30.198	59.8	64.	60.2	.484	83.5	226	..	..	.7	Ci., Ci-s.
	23	22.2	770.10	30.206	71.5	30.300	30.183	....	63.	59.6	.478	85.	223	..	..	.9	Ci., Ci-s., Ci-cu.

Observed dew point: 3*h*., 60°.5; 9*h*., 62°; 15*h*., 57°.5; 21*h*., 56°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
25	0	23.9	761.15	29.848	74.7	29.944	29.821	....	71.6	71.2	.752	92.	250	3.5	.28	1.0	N., raining.
	1	23.9	760.60	29.827	74.7	29.920	29.797	....	72.6	72.2	.777	91.9	265	1.2	.25	1.0	N.
	2	24.	760.70	29.831	74.9	29.920	29.795	....	72.6	72.2	.777	91.9	288	1.5	.02	1.0	N., raining.
	3	24.6	760.00	29.800	75.1	29.904	29.779	....	70.5	70.	.721	91.	260	.4	..	1.0	N.
	4	24.7	760.00	29.800	75.1	29.914	29.789	....	72.	71.4	.754	91.	260	.3	..	1.0	N.
	5	24.5	760.00	29.802	75.2	29.918	29.793	....	71.5	70.5	.728	91.	270	.7	..	.5	N.
	6	24.5	760.50	29.821	75.	29.940	29.815	....	72.	71.2	.747	92.	270	.7	..	.6	N., Ci-s.
	7	24.7	760.70	29.828	75.	29.940	29.815	....	75.	73.	.779	90.	315	1.0	..	1.0	N., Ci-s.
	8	25.4	760.70	29.826	75.6	29.940	29.814	....	75.5	73.1	.777	89	315	1.2	..	1.0	N., Ci-s. [*SW.*
	9	25.7	760.70	29.823	76.5	29.932	29.804	....	77.	72.2	.728	83.	315	1.7	..	.9	Ci., Ci-s., Cu-s., (1) *S.*, (2)
	10	26.	760.65	29.820	77.	29.930	29.800	....	79.	72.5	.716	79.5	325	2.5	..	.8	Ci., Ci-cu., Cu-s., do. do.
	11	27.	760.60	29.813	77.8	29.928	29.795	97.	81.5	73.5	.726	76.	325	3.5	..	.9	Ci., Ci-cu., Cu-s., do. do.
	12	27.7	760.40	29.801	79.	29.920	29.785	98.	81.	74.	.750	78.	345	4.3	..	.7	Ci., Ci-cu., Cu-s., do. do.
	13	28.	760.20	29.792	80.	29.916	29.778	97.	81.6	74.5	.762	77.3	335	5.0	..	.6	Cu., *S.*
	14	27.8	760.20	29.793	80.1	29.916	29.778	97.	81.8	74.3	.752	77.	335	5.3	..	.8	Cu., *S.*
	15	28.	759.95	29.782	80.8	29.908	29.767	97.	81.	75.	.788	80.	335	4.0	..	.8	Cu., *S.*
	16	28.	759.95	29.782	81.	29.908	29.767	....	80.	74.	.761	79.8	335	5.5	..	.7	N., Cu., *S.*
	17	28.	760.15	29.790	81.	29.914	29.773	....	80.5	73.8	.748	79.	335	4.0	..	..	Cu. at Hor.
	18	27.7	760.20	29.793	81.	29.920	29.779	....	76.5	70.	.655	82.7	335	2.0	..	.1	Cu-s.
	19	27.6	760.35	29.800	80.8	29.926	29.785	....	76.6	72.	.726	83.2	335	1.2	..	.3	Cu-s, N., *S.*
	20	27.	761.10	29.832	80.	29.952	29.814	....	74.2	71.5	.733	88.	325	1.5	..	..	Cu-s.
	21	27.	761.35	29.842	78.8	29.958	29.823	....	73.7	74.5	.739	91.5	312	.8	..	..	Cu-s.
	22	26.7	761.50	29.849	79.3	29.958	29.822	....	74.	72.4	.768	92.8	320	.6	..	1.0	Cu., *S.*
	23	26.4	761.35	29.845	79.1	29.954	29.819	....	74.	72.5	.772	90.1	355	.6	..	1.0	Cu., N., *S.*

Observed dew point: 9*h*., 69°; 15*h*., 71°.5; 21*h*., 71°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
30	0	25.7	762.55	29.895	77.5	30.006	29.875	64.1	68.7	65.2	.582	86.	174	..	..	..	Clear.
	1	25.	762.50	29.896	76.5	29.990	29.862	63.7	68.6	64.6	.564	85.8	232	..	..	..	Clear.
	2	24.6	763.20	29.925	76.	30.022	29.895	63.	67.5	64.4	.570	87.8	225	..	..	..	Clear.
	3	24.4	763.30	29.930	75.2	30.038	29.913	62.3	66.7	62.	.507	81.4	240	.1	..	..	Clear.
	4	24.	763.75	29.949	74.3	30.052	29.929	61.5	65.8	60.8	.482	82.	240	..	..	..	Clear.
	5	23.8	763.95	29.957	73.7	30.078	29.958	....	64.	59.	.451	82.7	230	..	..	..	Clear.
	6	23.5	764.40	29.978	73.	30.084	29.965	....	64.7	60.	.471	83.	225	..	..	..	Clear.
	7	23.8	764.60	29.983	73.	30.094	29.975	....	65.5	60.	.462	80.7	240	..	..	..	Clear.
	*8	23.	765.35	30.018	73.	30.120	30.001	....	68.	61.5	.478	79.	240	.1	..	..	Clear.
	9	23.	765.40	30.020	73.	30.120	30.001	....	68.4	62.	.487	79.	230	.3	..	..	Clear.
	10	23.2	765.45	30.020	73.	30.120	30.001	....	†69.5	....	†.505	†79.	245	.1	..	.1	Ci., Cu., *ENE.*
	11	23.8	765.70	30.027	73.2	30.136	30.017	92.3	70.6	64.1	.526	79.	245	..	..	.1	Ci., Cu , *ENE.*
	12	24.5	765.60	30.021	74.	30.130	30.008	97.	72.1	64.5	.522	76.	245	..	..	.1	Ci., Cu., *ENE.*
	13	25.	765.40	30.010	75.	30.124	29.999	96.7	73.2	65.2	.531	74.5	225	..	..	.1	Ci., Cu.
	14	25.1	765.25	30.004	75.3	30.118	29.992	96.5	73.6	65.3	.530	74.	230	..	..	.1	Cu.
	15	25.4	765.20	30.001	76.	30.114	29.987	97.	74.	64.	.485	70.	250	..	..	.1	Ci., Cu.
	16	26.	765 20	29.998	76.5	30.114	29.986	94.7	74.4	65.6	.531	73.	248	..	..	..	Ci., Cu.
	17	26.1	765.60	30.013	77.	30.128	29.998	....	74.3	65.8	.540	72.2	250	..	..	..	Ci., Cu.
	18	25.7	765 75	30.021	77.	30.133	30 003	....	71.5	65.8	.569	76.2	280	..	..	..	Ci., Cu.
	19	25.5	765.85	30.025	76.9	30.139	30.009	....	69.5	63.9	.532	78.	295	..	..	..	Clear.
	20	25.	766.60	30.058	76.	30.166	30.039	....	65.5	62.4	.532	86.	299	..	..	..	Hazy at Hor.
	21	24.8	766.75	30.066	75.6	30.174	30.048	58.3	65.	61.6	.514	86.2	310	..	..	..	Clear.
	22	24.3	767.25	30.086	75.	30.196	30.071	58.2	62.9	60.	.491	86.7	314	..	..	..	Clear.
	23	22.8	767.10	30.088	73.	30.186	30.067	58.1	62.6	61.2	.528	90.	314	..	..	..	Clear.

* Thirty minutes late. † Supplied. Observed dew point: 3*h*., 58°.5; 15*h*., 56°.4; 21*h*., 57°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	23.2	769.20	30.166	72.8	30.266	30.145	....	64.2	61.9	.531	87.7	347	..	..	.8	N.?
	1	23.	769.00	30.160	72.3	30.250	30.130	....	64.2	61.6	.523	87.3	349	..	..	.8	N., Ci-cu., Ci s.
	2	22.7	768.95	30.160	72.	30.250	30.131	....	62.	60.	.501	88.8	349	..	..	.5	Ci-cu., Ci-s.
	3	22.3	768.85	30.158	71.6	30.248	30.131	....	62.2	60.4	.510	88.4	349	..	..	.5	Ci-cu.
	4	22.	768.90	30.162	71.	30.256	30.140	....	62.	60.5	.515	88.	349	..	..	.6	Ci-cu.
	5	21.7	769.00	30.166	70.5	30.266	30.152	....	62.	60.5	.515	88.	349	..	..	.9	Ci-cu.
	6	21.7	769.10	30.170	70.	30.266	30.153	....	63.7	62.	.540	89.	349	..	..	.9	Ci-cu.
	7	21.6	769.15	30.172	69.8	30.268	30.155	....	65.2	63.4	.565	89.8	349	..	..	.9	Ci-cu.
	*8	22.	769.10	30.169	71.2	30.268	30.152	....	69.4	65.4	.580	83.4	349	..	..	.4	Ci-cu.
	9	22.1	769.10	30.169	71.	30.272	30.156	84.	70.1	65.7	.583	82.5	10	..	..	.2	Cu., Ci-cu.
	10	22.8	769.10	30.165	71.5	30.270	30.153	....	71.5	67.	.609	81.5	25	..	..	.2	Cu , Ci., *S.*
	11	23.3	768.90	30.155	72.5	30.264	30.144	95.	73.1	67.5	.607	79.	25	..	..	.2	Cu., Ci., *S.*
	12	24.3	768.40	30.130	73.5	30.240	30 120	96.5	75.4	68.5	.615	76.5	40	..	..	.1	Cu., Ci. in Hor.
	13	24.9	768.00	30.113	74.4	30.224	30.101	96.	76.8	68.5	.599	74.5	350	..	..	.1	Cu., Ci. in Hor.
	14	25.7	767.60	30.094	75.5	30.210	30.084	98.	77.5	68.7	.598	71.	10	..	..	.2	Cu., Ci. in Hor.
	15	26.5	767.50	30.087	77.	30.206	30.076	96.	77.7	68.4	.586	71.	70	..	..	.3	Cu., Ci., Ci cu.
	16	26.8	767.25	30.075	78.	30.190	30.057	94.8	77.5	69.5	.625	73.	45	..	..	.1	Cu., Ci.
	17	26.7	767.15	30.071	78.2	30.186	30.053	....	76.3	68.5	.605	72.2	60	..	..	.1	Cu., Ci.
	18	25.6	767.15	30.076	78.	30.186	30.053	....	73.2	68.	.623	78.8	30	..	..	.3	Cu-s.,? Ci-cu.
	19	25.7	766.90	30.067	78.	30.178	30.045	....	72.	67.	.603	81.5	30	..	..	.2	Cu s.,? Ci-cu.
	20	25.6	767.40	30.086	77.5	30.202	30.071	....	68.2	64.4	.562	85.	359	..	..	..	Clear.
	21	25.5	767.40	30.086	77.	30.202	30.072	....	66.9	63.9	.561	88.5	5	..	..	..	Clear.
	22	25.	767.55	30.087	76.5	30.190	30.062	....	65.7	63.	.548	88.5	1	..	..	..	Clear.
	23	24.6	767.40	30.091	75.7	30.200	30.074	64.6	65.2	63.	.553	88.8	7	..	..	..	Clear.

* Twenty-five minutes late.

Observed dew point: 3*h*., 58°; 9*h*., 61°.7; 15*h*., 62°.; 21*h*. 20*m*. 62°.8.

Date.		Barometer No. 1.			Barometer No. 2			Thermometers, Fah.			Force of vapor, in.	Hygr., Saussure's	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Ob'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Ob'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet			Dir., degrees.	Force, 2s.			
23	0	23.2	771.70	30.265	73.2	30.356	30.235	....	64.	62 7	557	92 2	281			5	Cl., Cl.-cu., Cl.-s
	1	22.9	771.30	30.252	72.8	30.354	30.233	60.4	63 4	62 4	.556	92 3	281			4	Cl.
	2	22.6	771.20	30.249	72.2	30.340	30.231	58.8	63	62.2	.554	92 3	240			3	Cl., Cl.-s
	3	22.5	771.50	30.241	71.5	30.348	30.231	56.5	61	60 5	526	92	240				A few Cl.-cu.
	4	22.3	771.00	30.242	71.1	30.348	30.231	56.2	60 5	59 8	512	92	240				Cl.-cu.
	5	22.1	771.35	30.258	70.9	30.366	30.250	56.1	60.6	60.	510	92	240				Cl. at Hor.
	6	21.8	771.85	30.279	70.2	30.382	30.268	....	62	61.4	541	92	225				Cl.
	7	21.9	772.25	30.293	70.4	30.398	30.282	....	66 5	64 4	581	NW 9	285			2	Cl.
	8	22.7	772.50	30.299	71.5	30.398	30.281	....	69 4	66.4	612	NO 5	285	1		3	Cl.
	9	23.3	772.50	30.296	73.	30.400	30 279	84.5	71.4	65 7	588	NO	245	5		4	Cl., Cl.-cu., (1) N., (2) NW
	10	24.	772.50	30.293	73.7	30.400	30.278	....	74.	66.5	533	78 5	265	N		5	Cl., Cl.-cu., (1) N., (2) NW
	11	24.7	772.40	30.287	74.2	30.396	30.272	....	75.2	66 2	541	71	285	7		6	Cl., Cl.-cu., (1) N., (2) NW
	12	25.	772.10	30.273	75.	30.384	30.257	96.	75.6	64.9	495	67	280	5		5	Cl., Cl.-cu., (1) N., (2) NW
	13	25.3	771.80	30.260	75.5	30.372	30.244	97.	76	64 6	481	65	265	5		3	Cl., Cl.-cu.
	14	25.7	771.45	30.214	76.	30.360	30.231	97.5	76	64	462	64	265	7		3	Cl., Cl.-cu.
	15	25.9	771.10	30.229	76.2	30.350	30.221	95.5	75.9	64 5	479	63	245	5		3	Cl., Cl.-cu.
	16	25.7	771.00	30.226	76.	30.346	30.217	....	75 6	66	530	64	275	4		9	Cl.
	17	25.2	771.10	30.232	76.	30.350	30.221	....	74.5	65.5	527	66	302			8	Cl.
	18	24.5	771.10	30.236	75.5	30.350	30.222	....	71.3	63 7	506	69	282	3			Cl., hazy
	19	24.3	771.20	30.240	75.5	30.354	30.226	....	69 8	63.5	517	73	280				Cl., hazy
	20	23.5	771.35	30.250	74.5	30.360	30.235	....	67.	61 5	488	79	205				Cl.
	21	23.1	770.85	30.233	73.5	30.342	30.220	59.2	64 4	60 5	488	82	280				Cl.
	22	22.3	770.45	30.220	72.3	30.318	30.198	59.8	64	60.2	484	83 5	286			7	Cl., Cl.-s.
	23	22.2	770.10	30.206	71.5	30.300	30.183	....	63.	59.6	478	85.	288	.		9	Cl., Cl.-s., Cl.-cu.

Observed dew point: 3h., 60°.5; 9h., 62°; 15h., 67°.5; 21h., 66°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
25	0	23.9	761.15	29.848	74.7	29.944	29.821	....	71.6	71.2	.752	92.	250	3.5	.28	1.0	N., raining.
	1	23.9	760.60	29.827	74.7	29.920	29.797	....	72.6	72.2	.777	91.9	265	1.2	.25	1.0	N.
	2	24.	760.70	29.831	74.9	29.920	29.795	....	72.6	72.2	.777	91.9	288	1.5	.02	1.0	N., raining.
	3	24.6	760.00	29.800	75.1	29.904	29.779	....	70.5	70.	.721	91.	260	.4	..	1.0	N.
	4	24.7	760.00	29.800	75.1	29.914	29.789	....	72.	71.4	.754	91.	260	.3	..	1.0	N.
	5	24.5	760.00	29.802	75.2	29.918	29.793	....	71.5	70.5	.728	91.	270	.7	..	.5	N.
	6	24.5	760.50	29.821	75.	29.940	29.815	....	72.	71.2	.747	92.	270	.7	..	.6	N., Ci-s.
	7	24.7	760.70	29.828	75.	29.940	29.815	....	75.	73.	.779	90.	315	1.0	..	1.0	N., Ci-s.
	8	25.4	760.70	29.826	75.6	29.940	29.814	....	75.5	73.1	.777	89	315	1.2	..	1.0	N., Ci-s. [*SW.*
	9	25.7	760.70	29.823	76.5	29.932	29.804	....	77.	72.2	.728	83.	315	1.7	..	.9	Ci., Ci-s., Cu-s, (1) *S.*, (2)
	10	26.	760.65	29.820	77.	29.930	29.800	....	79.	72.5	.716	79.5	325	2.5	..	.8	Ci., Ci-cu., Cu-s., do. do.
	11	27.	760.60	29.813	77.8	29.928	29.795	97.	81.5	73.5	.726	76.	325	3.5	..	.9	Ci., Ci-cu., Cu-s., do. do.
	12	27.7	760.40	29.801	79.	29.920	29.785	98.	81.	74.	.750	78.	345	4.3	..	.7	Ci., Ci-cu., Cu-s., do. do.
	13	28.	760.20	29.792	80.	29.916	29.778	97.	81.6	74.5	.762	77.3	335	5.0	..	.6	Cu., *S.*
	14	27.8	760.20	29.793	80.1	29.916	29.778	97.	81.8	74.3	.752	77.	335	5.3	..	.8	Cu., *S.*
	15	28.	759.95	29.782	80.8	29.908	29.767	97.	81.	75.	.788	80.	335	4.0	..	.8	Cu., *S.*
	16	28.	759.95	29.782	81.	29.908	29.767	....	80.	74.	.761	79.8	335	5.5	..	.7	N., Cu., *S.*
	17	28.	760.15	29.790	81.	29.914	29.773	....	80.5	73.8	.748	79.	335	4.0	..	..	Cu. at Hor.
	18	27.7	760.20	29.793	81.	29.920	29.779	....	76.5	70.	.655	82.7	335	2.0	..	.1	Cu-s.
	19	27.6	760.35	29.800	80.8	29.926	29.785	....	76.6	72.	.726	83.2	335	1.2	..	.3	Cu s, N., *S.*
	20	27	761.10	29.832	80.	29.952	29.814	....	74.2	71.5	.733	88.	325	1.5	..	..	Cu s.
	21	27.	761.35	29.842	78.8	29.958	29.823	....	73.7	74.5	.739	91.5	312	.8	..	..	Cu-s.
	22	26.7	761.50	29.849	79.3	29.958	29.822	....	74.	72.4	.768	92.8	320	.6	..	1.0	Cu., *S.*
	23	26.4	761.35	29.845	79.1	29.954	29.819	....	74.	72.5	.772	90.1	355	.6	..	1.0	Cu., N., *S.*

Observed dew point: 9*h*., 69°; 15*h*., 71°.5; 21*h*., 71°.2.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
27	0	25.8	761.00	29.833	79.2	29.948	29.813	....	72.4	71.5	.753	92.	309	..	..	.8	Cu s., N.
	1	25.4	761.15	29.842	78.2	29.918	29.815	....	73.4	72.5	.778	92.	309	..	..	1.0	S.
	2	25.	760.90	29.834	77.6	29.936	29.805	....	73.5	72.7	.784	91.8	309	..	..	1.0	S.
	3	25.3	760.65	29.823	77.3	29.932	29.801	....	73.5	73.8	.788	91.	310	..	..	.9	Ci-cu., Ci-s.
	4	25.4	760.60	29.821	77.	29.926	29.796	....	74.	73.2	.797	91.2	310	..	..	1.0	Ci cu., Ci-s.
	5	25.5	760.60	29.819	77.3	29.930	29.799	....	73.7	73.	.793	91.8	310	..	..	1.0	Ci-cu., Ci-s.
	6	25.5	760.70	29.823	77.3	29.940	29.809	....	74.	73.4	.804	91.8	328	..	..	1.0	Ci-cu., Ci-s.
	7	25.3	761.00	29.836	77.4	29.946	29.815	....	75.	74.	.816	91.5	335	..	..	1.0	Ci-cu., Ci-s.
	8	25.9	761.00	29.833	77.5	29.950	29.819	....	77.	75.5	.852	91.5	335	..	..	1.0	N., Ci-s.
	9	26.2	761.00	29.832	78.	29.942	29.809	....	78.2	75.4	.834	88.5	335	..	..	.7	Ci., Ci-cu., Cu-s., *S.*
	10	27.	760.60	29.813	79.	29.932	29.797	96.	79.8	76.2	.847	86.5	330	..	..	.8	Ci., Ci-cu., Cu-s., (1) *SSE.*, (2)
	11	27.4	760.30	29.798	79.5	29.920	29.724	103.	81.5	76.7	.849	83.	335	..	..	.5	Ci-cu., Cu-s., *S.* [*SW.*
	12	28.2	759.75	29.774	80.6	29.900	29.761	105.	82.5	77.5	.870	82.	50	..	..	.6	Ci-cu., Cu-s., *S.*
	13	28.7	759.25	29.751	81.5	29.875	29.733	105.2	83.	77.	.844	81.1	80	..	..	.5	Ci cu., Cu-s., *S.*
	14	29.3	758.40	29.715	82.6	29.842	29.698	104.7	84.	78.2	.882	81.	55	..	..	.7	Cu-s.
	15	29.7	758.15	29.703	83.5	29.832	29.685	105.	84.8	78.	.865	79.	40	..	..	.7	Cu-s.
	16	29.8	758.15	29.703	84.	29.834	29.685	102.7	79.	74.5	.790	84.8	10	.8	..	.9	N., Cu-s., *SSW.*
	17	29.8	758.35	29.711	84.	29.844	29.695	....	80.2	76.	.836	84.	10	.2	..	.9	N., Cu-s., *SSW.*
	18	29.5	758.20	29.706	84.	29,840	29.691	....	76.5	73.4	.777	86.	0	..	..	.9	N., Cu-s., *SSW.*
	19	29.2	758.30	29.712	83.8	29.842	29.693	....	77.8	75.5	.843	89.	0	..	..	1.0	N., Cu s., *SSW.*
	20	28.1	758.35	29.719	83.5	29.848	29.701	....	75.5	73.5	.792	90.	340	..	..	..	Clear.
	21	27.5	758.35	29.721	81.5	29.848	29.706	....	74.2	73.5	.769	90.6	335	..	..	..	Cu-s.
	22	27.3	758.00	29.708	80.3	29.828	29.689	....	73.	72.5	.747	92.	335	..	..	..	Ci., S.
	23	27.3	757.80	29.701	80.3	29.824	29.685	....	71.8	70.6	.728	92.	335	..	..	..	Clear.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
30	0	25.7	762.55	29.895	77.5	30.006	29.875	64.1	68.7	65.2	.582	86.	174	..	..	..	Clear.
	1	25.	762.50	29.896	76.5	29.990	29.862	63.7	68.6	64.6	.564	85.8	232	..	..	..	Clear.
	2	24.6	763.20	29.925	76.	30.022	29.895	63.	67.5	64.4	.570	87.8	225	..	..	..	Clear.
	3	24.4	763.30	29.930	75.2	30.038	29.913	62.3	66.7	62.	.507	81.4	240	.1	..	..	Clear.
	4	24.	763.75	29.949	74.3	30.052	29.929	61.5	65.8	60.8	.482	82.	240	..	..	..	Clear.
	5	23.8	763.95	29.957	73.7	30.078	29.958	....	64.	59.	.451	82.7	230	..	..	..	Clear.
	6	23.5	764.40	29.978	73.	30.084	29.965	....	64.7	60.	.471	83.	225	..	..	..	Clear.
	7	23.8	764.60	29.983	73.	30.094	29.975	....	65.5	60.	.462	80.7	240	..	..	..	Clear.
	*8	23.	765.35	30.018	73.	30.120	30.001	....	68.	61.5	.478	79.	240	.1	..	..	Clear.
	9	23.	765.40	30.020	73.	30.120	30.001	....	68.4	62.	.487	79.	230	.3	..	..	Clear.
	10	23.2	765.45	30.020	73.	30.120	30.001	....	†69.5	....	†.505	†79.	245	.1	..	.1	Ci., Cu., *ENE.*
	11	23.8	765.70	30.027	73.2	30.136	30.017	92.3	70.6	64.1	.526	79.	245	..	..	.1	Ci., Cu , *ENE.*
	12	24.5	765.60	30.021	74.	30.130	30.008	97.	72.1	64.5	.522	76.	245	..	..	.1	Ci., Cu., *ENE.*
	13	25.	765.40	30.010	75.	30.124	29.999	96.7	73.2	65.2	.531	74.5	225	..	..	.1	Ci., Cu.
	14	25.1	765.25	30.004	75.3	30.118	29.992	96.5	73.6	65.3	.530	74.	230	..	..	.1	Cu.
	15	25.4	765.20	30.001	76.	30.114	29.987	97.	74.	64.	.485	70.	250	..	..	.1	Ci., Cu.
	16	26.	765 20	29.998	76.5	30.114	29.986	94.7	74.4	65.6	.531	73.	248	..	..	..	Ci., Cu.
	17	26.1	765.60	30.013	77.	30.128	29.998	....	74.3	65.8	.540	72.2	250	..	..	..	Ci., Cu.
	18	25.7	765 75	30.021	77.	30.133	30 003	....	71.6	65.8	.569	76.2	280	..	..	..	Ci., Cu.
	19	25.5	765.85	30.025	76.9	30.139	30.009	....	69.5	63.9	.532	78.	295	..	..	..	Clear.
	20	25.	766.60	30.058	76.	30.166	30.039	....	65.5	62.4	.532	86.	299	..	..	..	Hazy at Hor.
	21	24.8	766.75	30.066	75.6	30.174	30.048	58.3	65.	61.6	.514	86.2	310	..	..	..	Clear.
	22	24.3	767.25	30.086	75.	30.196	30.071	58.2	62.9	60.	.491	86.7	314	..	..	..	Clear.
	23	22.8	767.10	30.088	73.	30.186	30.067	58.1	62.6	61.2	.528	90.	314	..	..	..	Clear.

* Thirty minutes late. † Supplied. Observed dew point: 3*h*., 58°.5; 15*h*., 56°.4; 21*h*., 57°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	23.2	769.20	30.166	72.8	30.266	30.145	....	64.2	61.9	.531	87.7	347	..	..	.8	N.?
	1	23.	769.00	30.160	72.3	30.250	30.130	....	64.2	61.6	.523	87.3	349	..	..	.8	N., Ci-cu., Ci s.
	2	22.7	768.95	30.160	72.	30.250	30.131	....	62.	60.	.501	88.8	349	..	..	.5	Ci-cu., Ci-s.
	3	22.3	768.85	30.158	71.6	30.248	30.131	....	62.2	60.4	.510	88.4	349	..	..	.5	Ci-cu.
	4	22.	768.90	30.162	71.	30.256	30.140	....	62.	60.5	.515	88.	349	..	..	.6	Ci-cu.
	5	21.7	769.00	30.166	70.5	30.266	30.152	....	62.	60.5	.515	88.	349	..	..	.9	Ci-cu.
	6	21.7	769.10	30.170	70.	30.266	30.153	....	63.7	62.	.540	89.	349	..	..	.9	Ci-cu.
	7	21.6	769.15	30.172	69.8	30.268	30.155	....	65.2	63.4	.565	89.8	349	..	..	.9	Ci-cu.
	*8	22.	769.10	30.169	71.2	30.268	30.152	....	69 4	65.4	.580	83.4	349	..	..	.4	Ci-cu.
	9	22.1	769.10	30.169	71.	30.272	30.156	84.	70.1	65.7	.583	82.5	10	..	..	.2	Cu., Ci-cu.
	10	22.8	769.10	30.165	71.5	30.270	30.153	....	71.5	67.	.609	81.5	25	..	..	.2	Cu , Ci., *S.*
	11	23.3	768.90	30.155	72.5	30.264	30.144	95.	73.1	67.5	.607	79.	25	..	..	.2	Cu., Ci., *S.*
	12	24.3	768.40	30.130	73.5	30.240	30 120	96.5	75.4	68.5	.615	76.5	40	..	..	.1	Cu., Ci. in Hor.
	13	24.9	768.00	30.113	74.4	30.224	30.101	96.	76.8	68.5	.599	74.5	350	..	..	.1	Cu., Ci. in Hor.
	14	25.7	767.60	30.094	75.5	30.210	30.084	98.	77.5	68.7	.598	71.	10	..	..	.2	Cu., Ci. in Hor.
	15	26.5	767.50	30.087	77.	30.206	30.076	96.	77.7	68.4	.586	71.	70	..	..	.3	Cu., Ci , Ci cu.
	16	26.8	767.25	30.075	78.	30.190	30.057	94.8	77.5	69.5	.625	73.	45	..	..	.1	Cu , Ci.
	17	26.7	767.15	30.071	78.2	30.186	30.053	....	76.3	68.5	.605	72.2	60	..	..	.1	Cu., Ci.
	18	25 6	767.15	30.076	78.	30.186	30.053	....	73.2	68.	.623	78.8	30	..	..	.3	Cu-s.,? Ci-cu.
	19	25.7	766.90	30.067	78.	30.178	30,045	....	72.	67.	.603	81.5	30	..	..	.2	Cu s.,? Ci-cu.
	20	25.6	767.40	30.086	77.5	30.202	30.071	....	68.2	64.4	.562	85.	350	..	..	..	Clear.
	21	25.5	767.40	30.086	77.	30.202	30.072	....	66.9	63.9	.561	88.5	5	..	..	..	Clear.
	22	25.	767.55	30.087	76.5	30.190	30.062	....	65.7	63.	.548	88.5	1	..	..	..	Clear.
	23	24.6	767.40	30.091	75.7	30.200	30.074	64.6	65.2	63.	.553	88.8	7	..	..	..	Clear.

* Twenty-five minutes late.

Observed dew point: 3*h*., 58°; 9*h*., 61°.7; 15*h*., 62°.; 21*h*. 20*m*. 62°.8.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.					Wind.				
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Dir., degrees.	Force, lbs.*	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
3	0	25.6	765.90	30.027	77.3	30.136	30.005	65.3	68.6	67.6	.661	92.8	6	..	..	..	Clear.
	1	25.2	765.90	30.029	76.7	30.130	30.002	....	68.6	67.2	.648	92.2	9	..	..	..	Clear.
	2	24.8	765.85	30.029	76.2	30.128	30.000	....	68.5	67.	.642	92.	9	..	..	..	Clear.
	3	24.8	764.65	29.983	75.8	30.088	29.961	....	67.4	66.4	.630	92.8	10	..	..	..	Clear.
	4	24.6	764.70	29.985	75.5	30.094	29.968	....	67.	65.8	.621	93.	10	..	..	..	Clear.
	5	24.5	764.75	29.988	75.2	30.100	29.975	....	66.8	66.	.629	93.	10	..	..	..	Clear.
	6	24.5	764.85	29.992	75.	30.100	29.975	....	68.4	67.2	.651	93.	10	..	..	..	Clear.
	7	24.5	764.90	29.994	74.7	30.100	29.977	....	72.	70.2	.712	93.	10	..	..	..	Clear.
	8	24.7	764.90	29.993	75.2	30.100	29.975	....	73.7	71.3	.731	90.	30	..	..	..	Clear.
	9	25.3	765.00	29.993	76.	30.104	29.977	....	75.	71.7	.731	93.	30	..	..	..	Clear.
	10	25.1	764.80	29.987	75.1	30.094	29.969	....	78.9	72.	.699	81.4	30	..	..	..	A few Cu.
	11	26.4	764.60	29.973	78.	30.086	29.953	....	79.	73.	.735	78.	45	..	..	..	A few Cu.
	12	27.4	764.15	29.919	78.9	30.066	29.931	....	81.5	75.5	.802	74.	25	..	..	.1	A few Cu.
	13	27.4	763.75	29.932	79.3	30.058	29.922	....	82.	74.	.739	74.3	20	..	..	.2	A few Cu.
	14	27.8	763.00	29.902	80.	30.026	29.888	....	83.5	75.	.760	72.7	20	..	..	..	A few Cu.
	15	28.2	762.60	29.886	80.5	30.014	29.875	....	83.5	73.4	.700	72.5	20	..	..	.1	A few Cu., Ci.
	16	28.3	762.40	29.876	81.	30.006	29.865	....	82.5	73.	.696	72.	20	..	..	.1	A few Cu., Ci.
	17	28.4	762.70	29.888	81.1	30.015	29.874	....	81.4	72.8	.701	72.	20	..	..	.3	A few Cu., Ci.
	18	28.3	762.85	29.894	81.5	30.024	29.882	....	78.5	72.	.703	77.2	40	..	..	.9	Ci s., Ci.
	19	28.	762.90	29.898	81.5	30.027	29.885	....	77.	71.5	.702	78.	40	..	..	1.0	Ci s., Ci.
	20	27.7	764.30	29.954	81.	30.080	29.939	....	76.	71.5	.713	82.	45	..	..	.8	Cu-s, ? Ci. ?
	21	27.7	764.75	29.972	80.8	30.096	29.955	....	73.5	69.8	.681	87.5	120	..	..	1.0	Cu-s., N., raining.
	22	27.3	764.35	29.958	80.4	30.076	29.937	....	72.1	70.1	.706	90.	120	..	..	1.0	Raining.
	23	27.	764.20	29.954	80.	30.070	29.932	....	71.2	69.8	.709	92.	120	..	..	.8	Ci., ? Cu. ?

* Force not registered.

Observed dew point: 3*h*., 63°.5; 9*h*., 67°.5; 21*h*., 67°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
6	0	26.	763.70	29.938	78.	30.052	29.919	....	69.3	65.5	.585	85.	195	..	..	..	Ci s. ? at *S.*
	1	24.9	763.95	29.953	76.6	30.058	29.930	....	67.5	63.1	.530	83.	196	..	..	..	Clear.
	2	24.8	764.10	29.960	75.7	30.066	29.940	....	66.2	59.8	.447	78.	215	..	..	..	Clear.
	3	24.4	764.20	29.966	74.8	30.070	29.945	....	63.7	58.	.424	77.	205	.4	..	..	Clear.
	4	24.	764.35	29.973	73.5	30.096	29.976	....	62.8	57.8	.429	78.5	200	..	..	..	Clear.
	5	23.5	764.40	29.978	72.8	30.128	30.009	....	61.5	57.	.422	81.5	200	..	..	..	Clear.
	6	22.7	765.50	30.025	72.	30.130	30.013	....	60.	57.	.439	83.	190	..	..	..	Clear.
	7	22.7	765.90	30.041	71.5	30.144	30.029	....	62.3	56.	.386	79.5	180	..	..	..	Clear.
	8	22.3	766.20	30.055	71.3	30.158	30.043	....	64.	58.	.421	78.4	195	.3	..	..	Clear.
	9	22.8	766.65	30.071	71.1	30.178	30.064	....	66.1	59.4	.438	77.	235	.4	..	..	Scattered Ci., Cu.
	10	22.4	766.70	30.074	71.5	30.178	30.063	....	67.4	61.	.469	76.	225	.2	..	..	Cu., *ENE.*
	11	22.8	766.55	30.067	72.	30.172	30.055	....	68.8	61.6	.471	75.	215	.1	..	.2	Cu., *N.*
	12	23.	766.20	30.052	72.	30.156	30.039	....	70.4	62.7	.486	73.	225	..	..	.2	Ci , Cu., *N.*
	13	23.4	766.10	30.046	72.6	30.146	30.028	....	70.2	62.5	.482	71.5	235	..	..	.2	Ci., Cu., Ci-cu., *N.*
	14	23.7	765.85	30.035	72.8	30.132	30.013	....	71.4	63.	.484	70.2	277	..	..	.3	Cu., Ci., (1) *NNE.*, (2) *NNW.*
	15	23.7	765.10	30.005	73.2	30.112	29.992	....	72.	63.	.477	68.5	215	..	..	.3	Cu., Ci, (1) *NNE.*, (2) *NNW.*
	16	24.1	764.80	29.991	73.8	30.108	29.986	....	71.8	64.	.510	69.2	135	..	..	.2	Cu., Ci., (1) *NNE.*, (2) *NNW.*
	17	23.9	764.60	29.984	73.8	30.096	29.974	....	71.7	64.8	.536	70.5	125	..	..	.8	Cu., Ci-s, (1) *NNE.*, (2) *NNW.*
	18	25.5	764.60	29.986	73.9	30.096	29.974	....	70.	64.	.530	75.	125	..	..	.9	Cu., Ci-s., (1) *NNE.*, (2) *NNW.*
	19	25.5	764.70	29.990	73.5	30.100	29.980	....	68.5	63.5	.532	78.	125	..	..	1.0	Cu., Ci-s.
	20	24.	764.95	29.998	73.8	30.112	29.990	....	64.	62.	.537	89.	125	..	..	.1	Cu., Ci-s.
	21	22.9	764.85	29.999	72.7	30.106	29.988	....	63.	61.4	.530	90.5	125	..	..	..	Clear.
	22	22.5	764.85	30.001	72.	30.108	29 991	....	63.8	60.5	.495	90.5	350	..	..	..	A few Ci s.
	23	21.3	764.50	29.993	70.6	30.090	29.978	58.	61.5	60.	.506	90.3	350	..	..	..	A few Ci-s.

Observed dew point: 3*h.*, 55°.5; 9*h.*, 56°.8; 15*h.*, 56°.

Date.		Barometer No. 1.			Barometer No. 2.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Temperature, Fahrenheit.	Obs'd height, inches.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	23.	762.50	29.906	72.6	30.008	29.890	....	64.7	63.7	.580	93.	45	..	..	..	Clear.
	1	23.	762.40	29.902	72.3	30.004	29.886	....	64.	63.	.567	92.8	45	..	..	..	Ci s.?
	2	22.7	762.65	29.913	72.	30.016	29.899	....	63.5	62.6	.560	93.	45	..	..	.3	Ci-s.
	3	22.7	762.65	29.913	71.6	30.016	29.901	....	63.7	62.6	.558	91.5	145	..	..	.3	Ci s. in zenith.
	4	22.8	762.80	29.919	71.4	30.028	29.913	....	64.3	62.8	.557	92.	145	..	..	.5	Cu., Ci-cu.
	5	22.4	763.25	29.937	70.9	30.036	29.922	....	64.9	62.9	.554	91.	155	..	..	.4	Cu., Ci-cu.
	6	22.	763.65	29.956	70.5	30.052	29.940	....	65.5	63.1	.553	89.5	175	..	..	.4	Cu., Ci.
	7	21.8	764.00	29.970	70.	30 070	29.959	....	66.2	63.5	.558	87.	175	..	..	.3	Cu., Ci.
	8	22.4	764.50	29.987	70.5	30.088	29.976	....	68.6	63.8	.539	82.	208	..	..	.9	Ci cu., Cu., Ci., Ci-s.?
	9	22.7	764.70	29.994	71.	30 100	29.986	....	69.8	63.8	.526	80.	240	.2	..	.3	Ci-cu.
	10	23.7	764.70	29.990	72.2	30.100	29.983	....	72.5	66.3	.575	78.	270	.8	..	.1	Cu., Ci-s.
	11	24.	764.70	29.987	73.	30.100	29.981	....	73.5	66.9	.583	76.5	275	.4	..	.9	Ci-cu.
	12	24.5	764.65	29.984	74.2	30.084	29.962	....	75.5	68.7	.621	74.8	245	.2	..	.8	Cu., Ci-cu., Ci-s.
	13	25.	764.10	29.959	75.	30.072	29.947	....	76.7	69.	.618	74.	280	..	..	.9	Cu., Ci-cu., Ci-s.
	14	25.5	764.00	29.952	76.	30.062	29.935	....	77.	70.	.650	75.	235	..	..	.9	Cu., Ci-cu.
	*15	25.6	764.00	29.952	76.5	30.064	29.936	....	77.	71.	.685	77.7	270	..	..	.9	Cu., Ci., Ci-cu., Ci-s.
	16	25.5	764.00	29.952	77.	30.064	29 934	....	74.5	68.7	.632	79.8	285	..	..	1.0	Cu., Ci., Ci-cu., Ci-s.
	17	25.	764.00	29.955	76.8	30.064	29.934	....	72.5	68.	.631	81.2	300	..	..	1.0	Cu., Ci., Ci-cu., Ci-s.
	18	24.7	763.90	29.953	76.2	30.059	29.932	....	71.2	68.5	.662	81.8	305	..	..	1.0	Cu., Ci., Ci-cu., Ci s.
	19	24.6	763.80	29.949	76.	30.058	29.931	....	70.5	67.	.620	85.8	300	..	..	1.0	Cu., Ci., Ci-cu., Ci-s.
	20	24 8	764.00	29.957	75.5	30.068	29.942	....	69.8	67.	.628	88.	300	..	..	1.0	Cu., Ci., Ci-cu., Ci-s.
	21	24.6	763.65	29.944	75.3	30.046	29.920	....	69.3	67.	.633	88.	300	..	..	1.0	Cu , Ci., Ci-cu., Ci-s.
	22	24.3	762.65	29.905	75.	30.016	29.891	....	69.6	67.2	.637	88.8	326	..	..	1.0	Cu., Ci s.
	23	24.1	762.20	29.888	74.8	29.994	29.869	....	69.6	67.8	.657	88.8	347	..	..	1.0	Cu., S.,? Ci-s., S.?

Observed dew point: 3*h*., 62°; 15*h*., 66°.4; 21*h*., 65°.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Radiation.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., degrees.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
10	0	24.2	761.50	29.860	....	61.3	59.3	.489	90.5	255	..	..	.1	Ci-s.
	1	24.	761.70	29.869	....	60.8	58.9	.483	90.	248	..	..	.1	Ci-s.
	2	23.5	762.30	29.895	....	60.5	58.5	.476	90.	247	..	..	1.0	Ci-s.
	3	23.2	762.55	29.906	....	60.	58.5	.481	92.	245	..	..	1.0	Ci-s.
	4	22.5	763.65	29.953	....	59.2	56.5	.435	86.	245	..	..	1.0	Ci s.
	5	22.3	764.00	29.968	....	59.5	56.8	.440	86.5	245	..	..	1.0	Ci-s.
	6	21.6	765.00	30.010	....	59.5	57.	.445	86.3	235	..	..	1.0	Ci-s.
	7	21.5	765.30	30.022	....	60.	56.	.413	84.8	220	..	..	1.0	Ci s.
	8	21.7	766.10	30.054	....	61.3	57.4	.434	81.5	210	..	..	1.0	Ci-s.
	9	21.	766.20	30.061	....	63.6	58.5	.441	79.	210	..	..	1.0	Ci., Ci-cu., Cu., (1) *NE.*, (2) *N.*
	10	21.2	766.30	30.065	....	65.8	59.4	.441	75.3	255	..	..	.9	Ci., Ci-cu., Cu , *N.*
	11	21.5	766.60	30.076	....	66.2	59.5	.440	74.	240	..	..	.7	Ci-s., Cu-s., *N.*
	12	21.7	766.60	30.074	....	68.	61.	.463	73.5	250	..	..	.9	Ci-s., Cu s., N., *? N.*
	13	22.	766.50	30.069	....	68.7	60.8	.448	72.5	255	..	..	1.0	Ci-s., Cu-s., *N.*
	14	22.2	766.50	30.067	....	69.5	62.5	.490	71.	200	..	..	1.0	Ci-s., Cu-s., Ci-cu., *N.*
	15	22.2	766.30	30.059	....	68.7	61.4	.166	71.	180	..	..	.9	Ci-s., Cu-s., Ci-cu., *N.*
	16	22.6	766.65	30.072	....	68.5	61.7	.478	74.	82	..	..	1.0	Ci s., Cu-s., Ci cu., *N.*
	17	22.5	766.75	30.076	....	68.2	61.5	.475	73.	82	..	..	1.0	Ci-s., Cu s., Ci-cu., *N.*
	18	22.4	766.45	30.064	....	67.4	61.9	.495	77.5	82	..	..	.9	Ci s., Ci cu.
	19	22.4	766.75	30.076	....	63.1	59.3	.468	82.	82	..	..	.2	Ci-s., Cu-s., Ci-cu.
	20	22.1	767.10	30.090	....	60.8	58.7	.478	88.5	82	..	..	.2	A few Ci. to *S.*
	21	21.9	767.30	30.100	....	59.3	57.1	.450	89.3	82	..	..	..	Clear.
	22	21.5	767.10	30.095	....	59.	57.5	.464	91.	20	..	..	..	Clear.
	23	21.2	767.00	30.092	56.6	58.5	57.2	.461	91.	20	..	..	..	Clear.

Observed dew point: 3*h.*, 56°; 15*h.*, 53°.3.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
13	0	28.4	755.50	29.608	....	75.7	72.7	.759	90.	45	..	..	..	Clear.
	1	26.2	753.60	29.543	....	75.	72.5	.760	90.	45	..	..	..	Clear.
	2	26.7	753.20	29.524	....	74.3	71.8	.742	91.	40	..	..	.4	Cu.
	3	26.1	752.30	29.492	70.	73.2	71.5	.744	91.5	40	..	..	..	Clear.
	4	....	.....	†29.488	....	†72.7	....	†.738	†91.5	40	..	..	†.3	
	5	....	.....	†29.483	....	†73.	....	†.748	†91.7	40	..	..	†.6	
	6	25.8	751.90	29.478	....	74.	72.4	.768	91.5	45	..	.01	1.0	N., raining.
	7	25.7	752.60	29.506	....	74.5	72.7	.773	91.	105	..	..	1.0	Ci s.
	*8	26.	753.	29.519	....	76.5	72.	.725	85.2	100	..	..	1.0	Ci-cu., Ci.
	9	26.4	753.25	29.528	90.7	76.7	71.2	.694	83.5	130	.3	..	.7	Cu , Ci.
	10	27.	753.65	29.541	101.4	78.8	72.4	.714	80.5	105	.4	..	.6	Cu , Ci., Ci-cu. [*W.*
	11	27.5	754.	29.553	....	80.3	72.8	.713	78.5	120	.4	..	.8	Ci cu., Cu., Ci., (1) *NW.*, (2)
	12	27.7	754.50	29.570	99.5	81.	72.	.676	75.5	120	.4	..	.9	Ci-cu., Cu., Ci., (1) *NW.*, (2)
	13	27.9	754.80	29.583	94.	81.	71.	.641	73.3	125	.7	..	.8	Ci cu., Cu , Cu-s., *W.* [*W.*
	14	28.	755.10	29.592	90.	77.5	69.5	.627	76.3	160	1.0	..	.9	Ci-cu., Cu., Cu-s., *W.*
	15	28.	755.60	29.612	82.	76.5	69.5	.638	77.	170	.5	..	.9	Ci cu., Cu., Cu-s., *W.*
	16	26.8	756.	29.632	....	75.6	69.9	.662	77.	190	.1	..	1.0	Ci-cu., Cu , Cu-s., *W.*
	17	25.7	756.45	29.655	....	71.4	66.5	.594	77.2	180	.3	..	1.0	Ci-cu., Cu., Cu-s.
	18	25.4	757.25	29.689	....	69.2	65.	.571	78.	190	.2	..	1.0	Ci-cu., Cu s.
	19	25.3	757.75	29.709	....	68.3	63.6	.537	80.2	190	.2	..	1.0	Ci-cu., Cu s.
	20	25.7	758.55	29.738	....	66.	62.	.515	83.	210	..	..	.9	Cu-s., N.?
	21	25.3	759.25	29.767	....	65.5	61.	.491	83.	210	..	..	.9	Ci-cu., Cu-s., N.?
	22	24.5	759.50	29.781	....	64.4	60.1	.478	82.	212	..	..	1.0	Ci-cu., Cu., Ci-s.
	23	23.9	759.30	29.775	....	63.5	58.	.427	80.	197	..	..	1.0	Ci-s.

* Twenty minutes late. † Supplied. Observed dew point: 15*h*., 66°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
15	0	20.1	762.20	29.908	....	62.	61.4	.541	92.	258	.1	.03	1.0	N., raining.
	1	20.1	762.40	29.916	....	61.7	61.2	.538	92.	250	.2	.01	1.0	N., raining.
	2	20.	761.95	29.899	....	61.7	61.2	.538	92.	262	.1	.02	1.0	N., raining.
	3	20.	761.65	29.887	....	61.3	60.6	.526	92.	250	.4	.01	1.0	N., raining.
	4	19.7	761.45	29.881	....	61.	60.4	.523	92.	260	.3	.01	1.0	N., raining.
	*5	19.7	761.50	29.883	....	60.7	60.4	.527	92.	250	.3	..	1.0	N., raining.
	6	19.5	761.40	29.880	....	61.5	61.	.535	91.8	250	.2	.02	1.0	N., raining.
	7	19.5	761.40	29.880	....	62.	61.5	.544	91.8	240	.1	..	1.0	N., raining.
	8	19.5	761.30	29.876	....	62.3	62.	.556	92.	240	.4	..	1.0	N., raining.
	9	19.5	761.25	29.874	....	63 3	62.9	.572	92.	250	.3	.01	1.0	N., drizzling rain.
	10	19.6	761.40	29.879	....	64.5	64.	.591	92.	235	..	..	1.0	N., drizzling rain.
	11	20.	761.20	29.869	....	65.8	65.	.608	92.	240	..	.01	1.0	N., S.
	12	20.2	761.20	29.868	....	67.6	66.6	.640	92.	250	..	..	1.0	N., S.
	13	20.5	761.20	29.866	....	67.7	66.4	.632	91.7	205	..	..	1.0	N., S.
	14	20.8	761.20	29.865	....	68.8	67.	.639	91.	205	..	..	1.0	N., S.
	15	21.	761.20	29.864	....	68.	66.	.616	90.5	230	..	..	1.0	Ci-s., S.
	16	21.3	761.60	29.879	....	68.5	66.2	.617	90.3	215	..	..	1.0	Ci., Ci-s., Ci-cu., (1) *N.*, (2)
	17	21.7	761.75	29.883	....	66.5	64.8	.594	90.8	240	..	..	1.0	Ci., Ci-s., Ci cu. [*SW.*
	18	21.4	762.00	29.894	....	65.	63.5	.571	91.5	232	..	..	1.0	Ci., Ci-s., N.?
	19	21.	762.25	29.905	....	64.5	63.5	.577	91.5	235	.1	..	1.0	Ci., Ci-s., N.?
	20	21.	762.65	29.921	....	62.3	61.8	.541	91.8	230	.1	..	1.0	Drizzling rain, N.
	21	21.	762.90	29.931	....	61.5	60.6	.524	91.7	200	.2	..	1.0	Showery, N.
	22	20.6	763.05	29.938	....	61.	60.4	.523	92.	195	.2	.01	1.0	N.
	23	20.4	762.70	29.927	....	60.1	59.7	.514	92.3	245	.2	..	1.0	N.

* Thirty-five minutes late.

Observed dew point: 3*h.*, 60°; 9*h.*, 62°.7; 15*h.*, 64°.7; 21*h.*, 58°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
17	0	19.5	763.70	29.970	....	60.	53.9	.358	75.	125	..	..	1.0	Ci-s.
	1	19.2	763.55	29.965	....	59.	53.5	.359	76.	140	.2	..	.8	Ci-s., Ci.
	2	18.8	763.55	29.966	....	56.9	52.6	.368	80.	143	.2	..	.4	Ci-s., Ci.
	3	18.5	763.70	29.974	....	55.2	52.	.364	82.5	145	..	..	.5	Ci-s., Ci-cu.
	4	18.	764.00	29.989	....	52.	50.	.351	85.	145	..	..	.7	Ci-s., Ci-cu.
	5	18.	764.10	29.993	....	52.5	50.7	.362	85.	145	..	..	.6	Ci-s., Ci-cu.
	6	17.4	764.50	30.011	....	53.	50.6	.353	85.	145	..	..	.5	Ci., Ci-cu.
	7	17.	764.60	30.018	....	53.5	50.7	.351	84.5	145	..	..	.4	Ci., Ci-cu.
	8	17.7	764.75	30.020	....	57.9	53.3	.367	79.	138	..	..	.1	Ci., Ci-cu.
	9	17.5	765.00	30.030	83.	61.	55.5	.388	76.7	170	.2	..	.1	Ci. in *E.*
	*10	18.3	764.90	30.023	97.2	63.3	57.2	.408	75.	166	.2	..	.1	Ci. in *E.*
	11	18.8	764.60	30.008	98.5	64.5	57.1	.392	72.	110	..	..	.1	Ci., Cu., *NW.*
	12	19.3	764.35	29.997	99.	66.5	59.	.422	71.	145	..	..	.1	Ci., Cu., *NW.*
	13	19.9	764.00	29.979	85.	67.7	58.	.380	67.5	125	.2	..	.2	Cu., *NW.*
	14	20.4	764.00	29.978	84.	68.5	59.	.400	67.	120	.2	..	.3	Cu., *NW.*
	15	20.6	763.70	29.965	80.2	68.2	59.8	.426	67.	100	.2	..	.4	Cu., *NW.*
	16	20.5	763.70	29.965	80.3	67.6	60.6	.456	69.	128	.1	..	.3	Cu., *NW.*
	17	20.8	763.70	29.963	....	67.8	59.9	.432	70.	105	..	..	.1	Cu., *NW.*
	18	20.3	763.80	29.970	....	64.	59.	.450	73.	100	..	..	.9	Ci-cu., Cu., *NW.*
	19	19.3	763.90	29.978	....	61.7	56.9	.418	77.	130	..	..	.3	Ci-cu., Ci.
	20	19.7	764.25	29.991	....	60.6	56.3	.414	79.	130	..	..	.1	Ci-cu.
	21	19.7	764.15	29.987	55.2	58.4	55.3	.412	84.	130	..	..	..	Clear.
	22	19.3	764.35	29.996	48.8	55.5	53.5	.399	90.	130	..	..	..	Clear.
	23	....	.....	†29.998	....	†54.	....	†.380	†93.	..	..	..	..	

* Twenty minutes late. † Supplied. Observed dew point: 3*h.*, 49°; 9*h.*, 50°.7; 15*h.*, 54°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
20	0	23.8	766.80	30.071	50.7	52.8	49.	.318	81.5	135	.2	..	..	Clear.
	1	23.8	766.80	30.071	49.2	52.3	48.8	.319	82.5	135	.1	..	..	Clear.
	2	24.3	766.55	30.059	47.4	52.	48.3	.311	83.	155	.2	..	..	Clear.
	3	24.7	766.60	30.060	47.	51.	47.5	.304	84.	150	.5	..	..	Clear.
	4	24.6	766.50	30.056	47.	50.2	47.1	.303	85.	150	.1	..	..	Clear.
	5	24.2	766.85	30.071	....	50.5	47.	.298	85.	150	.2	..	..	Clear.
	6	23.5	767.00	30.080	....	49.7	46.5	.295	85.	150	.1	..	..	Clear.
	7	23.5	767.40	30.096	....	51.4	47.5	.299	83.	150	.3	..	..	Clear.
	8	23.8	767.50	30.098	65.5	53.4	48.6	.302	80.	160	.4	..	..	Clear.
	9	23.	767.50	30.103	70.	55.5	49.2	.292	75.	170	.6	..	..	A few small Cu.
	10	23.	767.30	30.095	73.	56.8	49.5	.285	72.	170	1.0	..	.3	Cu., *N.*
	11	22.5	767.00	30.085	76.	57.5	50.	.289	70.5	160	.7	..	.3	Cu., *N.*
	12	22.	766.60	30.073	79.5	59.4	50.6	.282	68.	140	.3	..	.3	Cu., *N.*
	13	21.2	766.00	30.053	79.5	60.5	52.	.305	66.5	150	.2	..	.3	Cu., *N.*
	14	20.6	765.60	30.039	78.	61.6	51.8	.287	66.	140	.2	..	.3	Cu., *N.*
	15	21.2	765.60	30.037	74.5	62.	52.2	.292	65.	110	..	..	.3	Cu., *N.*
	16	21.5	765.25	30.022	....	61.9	53.4	.324	65.5	150	.1	..	.1	Cu., *N.*
	17	21.6	765.25	30.021	....	62.4	53.3	.316	64.	150	..	..	..	A few Cu.
	18	21.4	765.25	30.022	....	58.5	53.	.352	69.	140	..	..	..	Clear.
	19	21.	765.15	30.019	....	56.	51.	.330	73.	140	..	..	.1	Ci.
	20	20.3	765.15	30.023	....	51.5	49.	.333	84.1	140	..	..	.1	Ci., Cu.
	21	20.	764.90	30.015	....	50.	48.	.327	88.	140	..	..	..	Clear.
	22	19.1	764.50	30.003	....	49.	47.7	.330	92.5	80	..	..	..	A few Ci.
	23	18.9	764.05	29.986	....	47.	45.5	.303	92.8	80	..	..	..	Clear.

Observed dew point: 3*h*., 44°; 9*h*., 40°; 15*h*., 40°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
22	0	24.8	761.25	29.849	....	49.1	44.8	.264	77.	125	.3	..	.4	Cu. and Ci-cu.
	1	23.9	761.60	29.866	....	48.1	44.	.258	78.	120	..	..	..	A few Ci. in *S.*
	2	23.4	761.60	29.869	....	47.2	43.	.246	78.	122	..	..	..	Cu.
	3	22.8	761.90	29.884	....	46.4	42.	.234	78.	110	.1	..	..	Clear.
	4	22.7	762.50	29.907	....	45.2	41.5	.238	79.	95	..	..	..	Clear.
	5	23.	763.00	29.925	....	44.8	41.2	.237	78.5	95	..	..	..	Clear.
	6	23.2	763.55	29.945	....	44.5	41.	.235	78.	95	..	..	..	Clear.
	7	22.8	763.70	29.953	....	46.3	42.5	.245	78.	130	..	..	..	Clear.
	8	22.8	764.05	29.967	....	47.5	41.2	.205	73.	140	.1	..	1.0	Ci-cu., Cu.
	9	22.9	764.55	29.987	....	48.	42.4	.224	72.	130	1.8	..	1.0	Ci cu., Cu-s.
	10	22.5	764.65	29.993	....	48.4	42.	.211	71.5	130	1.3	..	1.0	Ci-cu., Cu., *NW.*
	11	22.	764.50	29.990	....	49.5	42.5	.210	68.5	145	2.8	..	.9	Ci-cu., Cu., *NW.*
	12	22.3	764.55	29.990	....	50.7	43.4	.216	67.	150	3.0	..	.8	Ci-cu., Cu., *NW.*
	13	22.	764.00	29.970	....	52.5	45.	.230	66.5	150	3.3	..	.3	Ci-cu., Cu., *NW.*
	14	21.3	763.90	29.969	....	54.	46.2	.241	66.	150	3.4	..	.3	Cu., *NW.*
	15	21.8	763.90	29.967	....	53.5	46.3	.248	66.5	135	2.8	..	.3	Cu., *NW.*
	16	22.	763.95	29.968	....	53.4	47.4	.275	67.	130	3.2	..	.1	Cu., *NW.*
	17	22.	764.55	29.992	....	52.	45.5	.247	68.	120	2.6	..	.1	Cu.
	18	21.2	764.90	30.010	....	50.5	46.	.276	69.	120	1.1	..	..	Hazy at Hor.
	19	20.7	764.90	30.012	....	49.	44.	.248	71.	120	..	..	..	Hazy at Hor.
	20	21.1	766.50	30.073	....	45.5	42.5	.254	77.	175	..	..	..	Clear.
	21	21.	766.60	30.077	....	45.5	40.5	.235	78.2	170	..	..	..	Clear.
	22	19.7	766.60	30.084	....	43.	40.	.230	79.	164	..	..	..	Clear.
	23	20.2	766.75	30.087	37.7	42.	38.6	.214	79.3	142	..	..	..	

Observed dew point: 21h., 35°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr.' height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
24	0	22.	767.10	30.092	38.5	44.2	41.5	.249	83.	146	..	..	..	Clear.
	1	22.6	767.30	30.097	33.8	43.2	40.8	.245	84.	184	..	..	..	Clear.
	2	23.8	767.30	30.090	33.9	41.6	39.5	.237	85.	176	..	..	..	Clear.
	3	23.9	767.75	30.108	32.	42.6	40.	.235	83.3	176	..	..	..	Clear.
	4	22.4	767.75	30.115	34.	41.5	39.1	.229	84.3	150	..	..	..	Clear.
	5	21.8	767.85	30.123	32.7	40.7	39.7	.251	85.	210	..	..	..	Clear.
	6	21.4	768.20	30.139	....	42.3	40.	.238	82.	190	..	..	..	Clear.
	7	21.	768.55	30.154	....	44.7	40.7	.225	80.	170	..	..	..	Clear
	8	20.7	768.65	30.160	....	48.	43.	.236	76.	175	..	..	..	Clear.
	9	23.	769.00	30.160	71.	50.	44.5	.247	75.	190	..	..	..	Clear.
	10	22.6	768.90	30.159	77.	53.	47.7	.286	72.	110	..	..	..	Clear.
	11	25.3	768.50	30.130	82.5	57.1	49.4	.278	68.	140	..	..	..	A little Ci. in *SW.*
	12	24.7	768.40	30.129	81.5	59.6	48.5	.240	60.7	160	..	..	..	A little Ci. in *SW.*
	13	25.	767.90	30.109	85.7	61.5	49.5	.232	59.5	115	.1	..	..	A little Ci. in *SW.*
	14	25.3	767.50	30.092	85.5	63.5	49.5	.210	56.3	115	.1	..	..	A little Ci. in *SW.*
	15	24.9	767.10	30.077	83.	64.5	49.5	.199	54.	160	.1	..	..	A little Ci. in *SW.*
	16	24.	766.90	30.075	....	64.5	53.7	.302	55.	150	.1	..	..	A little Ci. in *SW.*
	17	23.6	766.95	30.079	....	63.5	54.5	.334	56.	135	..	..	..	A little Ci. in *SW.*
	18	23.5	767.10	30.084	....	59.5	50.9	.289	60.	136	..	..	.1	Ci.
	19	22.9	767.20	30.092	....	55.6	48.6	.278	67.	136	..	..	.1	Ci. at Hor.
	20	22.	767.10	30.092	41.5	51.6	47.	.286	76.	136	..	..	..	Ci. at *S.*
	21	21.2	767.00	30.092	43.9	50.8	46.9	.292	79.3	136	..	..	.2	Ci.
	22	20.4	767.30	30.108	41.8	48.	45.3	.288	83.	136	..	..	.3	Ci., scattered.
	23	....	.....	*30.110	....	*46.	....	*.270	*86.	136	..	..	*.2	

* Supplied.

Observed dew point: 3*h*., 34°.5; 9*h*., 37°.5; 15*h*., 29°.3.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
27	0	21.	768.55	30.154	41.5	52.7	51.	.367	88.	46	..	..	..	Clear.
	1	23.	768.75	30.151	38.	49.6	48.3	.337	88.	46	..	..	..	Slight fog.
	2	25.2	768.70	30.138	35.9	47.7	46.5	.318	88.	46	..	..	..	Slight fog.
	3	24.6	768.55	30.135	....	46.5	45.4	.307	88.7	46	..	..	1.0	S.
	4	23.7	768.40	30.134	....	45.5	44.5	.298	88.8	46	..	..	1.0	S.
	5	23.5	768.55	30.140	....	45.3	44.	.289	88.2	46	..	..	1.0	S., Ci-cu.
	6	23.	768.75	30.151	....	48.5	46.7	.313	85.9	46	..	..	..	Clear.
	7	22.7	769.00	30.161	....	52.6	50.3	.351	83.8	46	..	..	..	Clear.
	8	23.5	769.25	30.167	....	56.3	52.	.351	79.	135	..	..	..	Clear.
	9	25.6	769.55	30.170	....	61.5	54.6	.360	72.	130	..	..	..	Light Ci. at *N.*
	10	25.3	769.15	30.156	89.	65.8	56.9	.372	68.	150	..	..	..	A little Ci.
	11	25.6	768.65	30.135	94.	69.	58.5	.380	66.	125	..	..	..	A little Ci.
	12	25.	768.00	30.112	99.	71.	58.2	.349	60.	130	..	..	..	A little Ci.
	13	25.3	767.35	30.085	97.7	72.2	59.2	.363	58.	110	..	..	..	A little Ci.
	14	26.	767.00	30.067	98.5	74.	60.5	.381	58.	100	..	..	..	A little Ci.
	15	26.	766.50	30.048	98.	74.3	60.2	.369	57.5	95	..	..	..	A little Ci.
	16	26.5	766.20	30.035	....	74.5	61.	.390	58.	65	..	..	..	A little Ci.
	17	26.9	766.35	30.039	....	71.3	62.4	.467	64.	45	..	..	..	A little Ci.
	18	25.7	766.00	30.031	....	67.	61.	.474	69.	45	..	..	..	A little Ci.
	19	25.3	765.95	30.031	....	64.5	59.5	.459	73.	45	..	..	..	A little Ci.
	20	24.6	765.75	30.026	....	61.5	56.	.396	76.	70	..	..	..	A little Ci.
	21	24.	765.60	30.022	....	59.5	55.	.392	77.8	70	..	..	..	A little Ci.
	22	23.1	765.40	30.020	....	56.	53.4	.390	83.5	70	..	..	..	Clear.
	23	22.3	764.40	29.984	51.2	55.3	53.1	.390	84.	47	..	..	..	Clear.

Observed dew point: 3*h.*, 40°; 9*h.*, 46°; 15*h.*, 47°.4.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
29	0	21.7	762.70	29.920	53.1	58.3	55.9	.429	88.	226	..	..	..	Clear.
	1	20.7	762.75	29.927	51.	59.1	56.1	.425	86.	201	..	..	..	Clear.
	2	22.7	762.65	29.913	51.5	58.7	55.7	.419	86.	179	..	..	..	Clear.
	3	25.2	763.15	29.920	51.	57.	54.5	.407	86.	175	..	..	..	Clear.
	4	25.6	763.50	29.932	52.9	57.2	54.	.392	86.	165	..	..	..	Clear.
	5	25.8	763.85	29.945	....	58.	55.	.408	86.5	160	..	..	..	Clear.
	6	25.	764.55	29.977	....	56.	53.3	.388	86.9	150	..	..	.2	Ci.
	7	25.1	764.80	29.987	....	58.	54.5	.396	84.8	160	..	..	..	A few Ci.
	8	25.9	765.30	30.002	....	61.5	56.4	.407	80.	130	..	..	.1	A few Ci.
	9	26.3	765.20	29.996	87.	66.3	59.	.424	75.	180	..	..	.2	Ci.
	10	26.1	765.20	29.997	95.	69.3	61.	.448	71.5	240	..	..	.2	Ci.
	11	25.	764.70	29.983	98.	71.5	61.2	.429	67.	260	..	..	.2	Ci., Cu.
	12	25.4	764.50	29.974	98.7	72.	61.5	.432	66.	230	..	..	.3	Ci., Cu., (1) *N.*, (2) *W.*
	13	25.9	764.10	29.955	97.3	73.	62.2	.442	65.	120	..	..	.6	Ci., Cu., (1) *N.*, (2) *W.*
	14	25.8	763.70	29.939	100.	74.	63.7	.476	65.	245	..	..	.6	Ci., Cu., (1) *N.*, (2) *W.*
	15	25.8	763.65	29.937	99.	74.4	62.2	.426	63.7	295	..	..	.6	Ci., Cu., (1) *N.*, (2) *W.*
	16	25.4	763.65	29.940	....	73.5	65.	.522	65.	275	..	..	.4	Ci., Cu.
	17	25.3	763.80	29.946	....	72.5	65.	.533	67.	270	..	..	.4	Ci., Cu.
	18	25.7	764.40	29.968	....	69.5	63.	.505	69.	330	.2	..	.9	Ci., Ci-s.
	19	26.	764.45	29.968	....	65.8	60.	.458	73.	335	.5	..	1.0	Ci., Ci-s.
	20	23.8	764.75	29.990	....	62.	58.5	.459	82.	340	.2	..	..	Clear.
	21	24.	764.80	29.991	....	60.	57.	.439	83.8	350	..	..	..	A few Ci.
	22	23.3	764.65	29.989	....	58.7	55.7	.419	86.	352	..	..	..	Clear.
	23	22.7	764.30	29.978	52.8	57.	54.7	.412	87.	356	..	..	..	A few Ci.

Observed dew point: 3h , 52°; 9h., 52°.6; 15h., 51°.6.

Date.		Barometer.			Thermometers, Fah.			Hygr., Saussure's.	Force of vapor ins.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	20.8	762.95	29.934	41.2	51.1	48.6	.328	88.	112	..	..	..	Clear.
	1	20.	763.15	29.945	39.5	48.2	46.8	.318	83.3	112	..	..	..	Clear.
	2	19.3	762.90	29.939	39.4	47.2	46.	.313	86.	112	..	..	..	Clear.
	3	18.7	762.75	29.937	39.	48.7	47.	.318	85.	112	..	..	..	Clear.
	4	18.2	762.85	29.942	39.	50.7	48.	.319	83.	135	..	..	..	Clear.
	5	18.	762.95	29.948	39.	47.2	45.5	.301	85.3	65	..	..	..	Clear.
	6	20.7	763.45	29.954	....	46.2	45.	.301	85.2	65	..	..	..	Clear.
	7	21.5	763.55	29.955	....	52.3	50.5	.360	85.4	65	..	..	..	Clear.
	8	23.5	764.00	29.962	....	55.	52.7	.383	84.8	30	..	..	..	Clear.
	9	24.7	764.10	29.961	87.	60.5	55.5	.394	76.	20	..	..	..	Clear.
	10	26.	763.80	29.943	95.	65.	58.5	.425	72.	5	..	..	..	Clear.
	11	25.5	763.30	29.924	94.5	68.2	59.	.403	64.7	15	..	..	..	Clear.
	12	25.2	762.60	29.899	89.	70.	59.2	.388	62.	20	.1	..	..	Clear.
	13	25.	761.80	29.869	89.2	70.8	58.8	.368	58.2	20	.2	..	..	Clear.
	14	25.3	761.10	29.840	89.	71.5	58.5	.352	57.	40	.1	..	..	Clear.
	15	25.2	760.35	29.811	87.	71.5	58.5	.352	56.5	25	.2	..	..	Clear.
	16	25.1	759.95	29.796	....	71.	59.	.371	58.	25	.2	..	..	Clear.
	17	25.	759.75	29.788	....	68.5	61.	.457	64.	25	.1	..	..	Clear.
	18	24.3	759.75	29.791	....	64.5	58.7	.436	66.8	25	..	..	..	Clear.
	19	24.2	759.75	29.791	....	62.2	58.	.442	70.5	25	..	..	..	Clear.
	20	23.1	759.65	29.791	....	58.5	54.	.378	76.	29	..	..	..	Clear.
	21	22.7	759.50	29.789	47.4	56.5	52.3	.357	78.	29	..	..	..	Clear.
	22	22.3	759.05	29.773	46.8	54.7	52.2	.374	82.	29	..	..	..	Clear.
	23	21.3	758.50	29.757	49.	53.7	52.	.381	87.5	30	..	..	..	Clear.

Observed dew point: 3*h*., 45°; 9*h*., 50°.5; 15*h*., 44°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
4	0	25.	763.95	29.953	46.6	54.	50.5	.241	77.	162	..	..	..	Cirs. ? at *N.*
	1	24.5	764.10	29.962	41.8	52.5	48.5	.310	76.3	165	..	..	..	Clear.
	2	24.3	764.10	29.962	38.8	50.5	46.7	.290	76.	160	..	..	..	Clear.
	3	24.4	764.25	29.968	36.	48.8	45.7	.287	76.	160	..	..	..	Clear.
	4	24.2	764.40	29.974	34.5	46.6	43.9	.273	77·4	160	..	..	..	Clear.
	5	23.7	764.50	29.982	33.8	44.3	43.2	.263	78.	160	..	..	..	Clear.
	6	23.	764.70	29.993	....	45.5	43.	.265	78.	160	..	..	..	Clear.
	7	22.4	765.35	30.020	....	47.4	45.4	.297	78.	160	..	..	..	Clear.
	8	23.5	765.75	30.031	....	51.5	47.5	.298	76.	130	..	..	..	Clear.
	9	25.5	766.05	30.033	....	53.7	48.	.285	74.	135	.1	..	..	Clear.
	10	23.2	765.85	30.038	....	56.	49.5	.294	71.	120	.8	..	..	Clear.
	11	23.8	765.65	30.025	73.	57.	49.	.271	70.	135	.8	..	..	Clear.
	12	23.6	765.00	30.001	72.5	58.6	49.3	.261	68.7	135	1.0	..	..	Clear.
	13	23.7	764.70	29.989	73.	59.8	50.6	.278	68.	135	.6	..	..	Clear.
	14	23.5	764.20	29.970	72.	60.5	50.5	.269	67.	130	.5	..	..	Clear.
	15	23.2	764.20	29.973	70.	61.5	51.3	.276	67.	130	.5	..	..	Clear.
	16	23.	764.10	29.969	....	61.5	51.	.268	67.	130	.3	..	..	Clear.
	17	23.	764.40	29.981	....	61.	54.	.350	67.8	130	.2	..	..	Clear.
	18	21.8	764.80	30.003	....	56.5	49.5	.294	70.2	110	..	..	..	Clear.
	19	21.7	764.80	30.003	....	55.2	49.4	.301	71.	110	..	..	..	Clear.
	20	20.6	764.95	30.014	....	49.8	46.	.283	73.	110	..	..	..	Clear.
	21	20.	765.55	30.040	37.	47.8	44.5	.272	73.	230	..	..	..	Clear.
	22	19.2	765.65	30.048	38.	48.	45.	.280	81.	195	..	..	..	Clear.
	23	18.8	765.70	30.051	36.	45.8	43.	.262	82.	150	..	..	..	Clear.

Observed dew point: 3*h*., 38°.5; 9*h*., 39°; 15*h*., 36°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
6	0	18.	768.50	30.167	39.	45.4	41.3	.230	76.5	171	..	..	..	Clear.
	1	20.8	769.10	30.176	36.	43.	39.9	.228	77.5	171	..	..	..	Clear.
	2	21.8	769.15	30.174	36.	42.6	39.3	.220	78.	171	..	..	..	Clear.
	3	21.7	769.15	30.172	38.	43.7	40.	.222	77.	205	..	..	..	Clear.
	4	21.5	769.30	30.180	38.4	40.3	37.	.200	78.	205	..	..	..	Clear.
	5	21.5	769.55	30.190	38.8	39.5	36.7	.203	78.	205	..	..	..	Clear.
	6	21.2	770.70	30.235	39.	41.5	39.	.227	78.2	205	..	..	..	Clear.
	7	21.8	771.00	30.245	....	42.7	40.	.233	78.5	225	..	..	..	Clear.
	8	24.	771.90	30.270	....	47.	43.4	.257	76.	250	.1	..	..	Clear.
	9	23.8	771.90	30.270	64.	50.2	44.2	.238	73.5	245	.4	..	..	Clear.
	10	22.8	771.90	30.276	73.3	53.	45.5	.235	71.	245	.2	..	..	Clear.
	11	22.5	771.40	30.257	81.7	54.8	47.8	.266	70.5	195	.1	..	..	Clear.
	12	22.2	771.10	30.246	81.	57.1	48.3	.252	69.	190	..	..	..	Clear.
	13	22.1	770.65	30.228	80.5	58.5	49.5	.264	68.	220	.1	..	..	Clear.
	14	21.4	770.50	30.227	80.5	59.	50.5	.283	68.	220	.1	..	..	Clear.
	15	18.9	769.90	30.216	83.	59.3	51.5	.302	69.	280	.2	..	..	Clear.
	16	18.1	769.90	30.220	....	59.3	51.	.291	68.	255	..	..	..	Clear.
	17	18.	769.70	30.213	....	58.5	51.5	.313	69.	245	..	..	..	Clear.
	18	19.3	770.00	30.218	....	54.5	49.	.298	74.	270	..	..	..	Clear.
	19	19.	770.45	30.237	....	51.	48.	.315	77.	280	..	..	..	Clear.
	20	19.6	770.45	30.233	....	49.	46.5	.303	78.	280	..	..	..	Clear.
	21	21.3	770.75	30.237	42.	46.5	44.	.276	78.2	275	..	..	..	Clear.
	22	22.4	770.85	30.235	38.3	44.6	42.8	.271	80.	260	..	..	..	Clear.
	23	22.5	771.05	30.243	35.2	43.4	42.	.267	80.	260	..	..	..	Clear.

Observed dew point: 3*h*., 37°; 9*h*., 34°.8; 15*h*., 41°.5; 21*h*., 39°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
8	0	18.8	765.60	30.047	37.5	45.9	45.	.304	91.	348	..	..	..	S. or foggy.
	1	18.3	765.35	30.040	38.	44.2	43.2	.284	91.	348	..	..	..	Foggy.
	2	17.6	765.25	30.040	41.9	45.7	45.5	.318	91.	160	..	..	..	Clear.
	3	17.	764.55	30.016	43.	46.	45.7	.319	91.2	160	..	..	..	Clear.
	4	16.5	764.20	30.005	41.8	45.	43.7	.298	90.7	235	..	..	1.0	S.
	5	17.5	764.10	29.995	43.2	44.5	44.	.298	90.8	235	..	..	1.0	S.
	6	19.	764.60	30.008	43.	47.3	46.8	.328	90.8	285	..	..	1.0	S.
	7	21.	764.90	30.010	....	50.5	50.	.367	90.7	315	..	.01	1.0	S.
	8	21.5	764.95	30.011	....	52.3	51.7	.389	90.8	320	..	..	1.0	S.
	9	21.5	765.00	30.012	....	55.6	55.	.435	89.	320	..	..	1.0	S.
	10	21.2	764.80	30.006	....	59.3	57.9	.462	87.	350	..	..	.9	Ci., S.
	11	23.	764.10	29.969	....	62.	59.	.472	82.5	20	..	..	.2	Ci., Cu-s.
	12	23.5	763.10	29.926	84.	66.	60.5	.470	75.	10	.1	..	.4	Ci., Cu-s., (1) *WSW.*, (2) *W.*
	13	24.	762.60	29.904	87.	68.3	60.5	.445	69.5	45	.2	..	.6	Ci., Cu., (1) *WSW.*, (2) *W.*
	14	24.3	762.20	29.887	85.	69.3	61.	.448	67.5	65	.2	..	.7	Ci., Cu., (1) *WSW.*, (2) *W.*
	15	24.6	761.50	29.859	82.5	69.3	61.	.448	68.	60	.1	..	.8	Ci., Cu., *W.*
	16	24.6	761.20	29.847	....	69.8	61.5	.457	67.5	50	..	..	.4	Ci., Cu., Ci-cu.
	17	24.6	761.20	29.847	....	68.	61.8	.486	69.7	82	..	..	.5	Ci., Cu., Ci-cu.
	18	23.6	761.30	29.856	....	63.2	58.5	.445	75.	82	..	..	.3	Ci., Ci-s.
	19	21.6	761.40	29.869	59.	61.	57.7	.448	80.	82	..	..	.1	Ci., Ci-s.? at *W.*
	20	22.	760.95	29.851	53.	57.8	55.2	.416	84.	29	..	..	.1	Ci., Ci-s.? at *W.*
	21	25.7	761.20	29.842	50.8	56.5	54.2	.405	86.	29	..	..	..	Ci-s.? at Hor.
	22	26.2	761.25	29.842	47.9	55.6	53.5	.398	88.	29	..	..	.1	Scattered Ci-s.?
	23	26.7	761.15	29.835	47.6	55.4	53.8	.407	89.	29	..	..	.3	Ci., Ci-s., Ci-cu.

Observed dew point: 3*h*., 43°; 9*h*., 54°.5; 15*h*., 53°; 21*h*., 49°.5

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Thermometers, Fah. Radiation.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., degrees.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
11	0	16.6	760.40	29.854	36.	41.6	41.	.267	90.	136	..	..	..	Ci-s. at W., S.
	1	14.3	759.70	29.837	35.5	40.7	40.2	.260	90.	136	..	..	.1	Ci-s. at W.
	2	18.4	759.90	29.826	33.3	41.7	40.7	.260	87.	136	..	..	.2	Ci-s.
	3	21.2	760.00	29.817	35.	42.5	41.5	.268	74.	135	..	..	.1	Ci-s.
	4	21.2	759.75	29.809	35.	39.5	39.	.249	78.5	150	..	..	.1	Ci-cu.
	5	21.	760.35	29.832	35.5	41.8	40.5	.254	77.2	150	..	..	.1	Cu.
	6	21.4	760.00	29.817	35.	42.3	41.	.259	80.	150	..	..	.1	Cu.
	7	21.8	759.70	29.804	....	44.5	43.	.276	87.	150	..	..	.1	Cu.
	8	22.5	759.70	29.800	....	46.2	44.5	.290	85.5	155	..	..	.1	Ci.
	9	22.4	759.65	29.796	77.5	52.9	48.7	.310	76.	154	..	..	..	Ci.
	10	20.7	759.05	29.781	83.7	57.8	50.2	.291	65.	148	..	..	..	Ci. at N.
	11	20.6	758.65	29.766	85.8	60.5	53.7	.347	63.	138	..	..	..	Ci. at N.
	12	21.2	758.10	29.742	85.8	63.3	53.3	.308	62.5	150	.1	..	..	Clear.
	13	21.	757.00	29.700	86.5	65.	55.	.332	61.	110	.1	..	..	Clear.
	14	21.4	756.40	29.674	87.	66.5	56.5	.355	59.5	90	..	..	..	Clear.
	15	22.	755.90	29.652	87.	67.5	56.5	.344	58.	90	.1	..	..	Clear.
	16	22.	755.65	29.643	....	67.5	58.5	.399	59.8	90	..	..	..	Clear.
	17	21.5	755.65	29.646	....	65.2	57.5	.396	60.8	90	..	..	..	Clear.
	18	21.6	755.50	29.639	....	61.	55.5	.389	64.8	90	..	..	..	Ci-s. at Hor.
	19	21.5	755.60	29.644	....	59.	53.	.348	67.	90	..	..	..	Ci-s. at Hor.
	20	20.8	755.60	29.646	....	56.5	53.5	.388	73.	60	..	..	..	Clear.
	21	20.3	755.60	29.649	....	55.5	52.	.361	80.	60	..	..	..	Clear.
	22	19.7	755.45	29.646	50.8	55.1	52.2	.370	83.	47	..	..	..	Clear.
	23	19.	755.25	29.641	49.8	53.5	50.9	.356	85.	40	..	..	..	Clear.

Observed dew point: 3*h*., 38°.5; 9*h*., 44°.2; 15*h*., 44°.8; 21*h*., 47°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
13	0	17.7	765.10	30.033	41.6	50.5	45.	.252	68.5	293	..	..	..	Clear.
	1	16.9	765.20	30.041	43.3	50.5	44.2	.235	69.	177	..	..	..	Clear.
	2	18.2	765.75	30.054	42.7	49.2	43.7	.239	71.	168	..	..	..	Clear.
	3	21.	766.10	30.057	35.5	46.	42.2	.242	76.	125	..	..	..	Clear.
	4	21.	766.25	30.063	35.	45.3	42.	.246	78.	145	..	..	..	Clear.
	5	20.7	766.75	30.085	35.	42.7	40.	.234	80.	150	..	..	..	Clear.
	6	20.5	767.00	30.094	35.	41.2	38.8	.226	82.	160	..	..	..	Clear.
	7	21.3	767.30	30.103	....	45.5	42.8	.261	82.	145	..	..	..	Clear.
	8	22.3	767.65	30.112	....	49.5	45.5	.275	77.	180	..	..	..	Clear.
	9	22.5	767.80	30.117	69.	52.5	46.	.253	72.	170	..	..	.1	Ci. in Hor.
	10	22.2	767.70	30.114	78.	55.5	47.	.242	66.	180	..	..	.2	Ci., *W.*
	11	22.5	767.10	30.089	79.7	58.	48.5	.249	61.	160	..	..	.3	Ci., *W.*
	12	22.7	766.60	30.069	85.	60.5	48.	.209	55.	150	..	..	.3	Ci., *W.*
	13	23.	766.00	30.044	90.5	62.6	49.7	.225	53.	105	..	..	.5	Ci., *W.*
	14	23.	765.50	30.024	85.	64.	51.7	.258	53.	105	..	..	.5	Ci., *W.*
	15	23.	765.00	30.004	91.	65.	52.5	.267	52.5	30	..	..	.4	Ci., *W.*
	16	22.	764.90	30.006	....	64.	54.	.316	57.	350	..	..	.9	Ci., *W.*
	17	21.2	764.80	30.006	....	61.	54.	.350	57.2	340	..	..	.9	Ci., *W.*
	18	19.5	764.35	29.996	....	56.5	49.	.277	60.	350	..	..	.4	Ci., *W.*
	19	20.	764.55	30.001	....	51.	46.5	.281	71.	340	..	..	.2	Ci., Ci-s., *W.*
	20	20.	764.55	30.001	39.5	49.	46.5	.303	76.5	305	..	..	.4	Ci., Ci-s.
	21	19.	764.55	30.006	38.	46.	44.	.282	80.	290	..	..	.2	Ci.
	22	18.9	764.55	30.006	34.	43.5	42.	.266	86.	290	..	..	.3	A few Ci., Ci-cu.
	23	19.	764.15	29.990	....	42.6	41.2	.259	87.	288	..	..	.9	Ci., Ci-cu.

Observed dew point: 3*h*., 30°.5; 21*h*., 35°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
15	0	19.6	754.20	29.598	....	54.4	53.3	.406	91.	120	.2	.23	1.0	N., raining.
	1	19.4	753.00	29.550	....	54.1	52.6	.392	90.	130	.1	.09	1.0	N.
	2	19.	752.60	29.538	....	54.	52.7	.395	90.	124	..	..	1.0	N.
	3	22.	752.70	29.528	....	53.5	51.5	.371	87.2	113	..	..	1.0	Ci-s., Cu.
	4	22.8	752.80	29.528	....	53.3	51.2	.367	87.	125	..	..	1.0	Ci-s.
	5	....	.....	*29.538	....	52.7	49.8	.339	84.	125	..	..	1.0	Ci-s.
	6	24.5	753.50	29.547	....	50.	48.	.327	86.	90	..	..	1.0	Ci-s.
	7	25.	753.70	29.552	....	50.5	47.	.298	87.	90	..	..	1.0	Ci-s.
	8	24.	753.70	29.557	....	51.5	49.5	.345	88.	45	..	..	1.0	Ci s., S.
	9	23.2	753.60	29.556	66.	53.	50.	.340	83.5	90	..	..	.4	S.
	10	19.5	753.25	29.560	69.5	54.5	48.5	.289	73.5	120	2.2	..	.5	Cu., Ci-s., W.
	11	20.5	753.30	29.557	....	53.5	47.	.265	70.5	120	2.0	..	.5	Cu., Ci-s., W.
	12	21.	753.00	29.543	70.	55.1	47.5	.259	67.	120	1.7	..	.4	Cu., Ci s., W.
	13	21.2	752.50	29.524	71.	57.5	48.5	.256	64.5	110	2.2	..	.6	Cu., W.
	14	20.8	752.20	29.513	72.	57.7	48.2	.246	*63.8	100	2.0	..	.7	Cu., W.
	15	20.1	752.20	29.517	....	57.	49.8	.293	63.	105	1.3	..	1.0	Cu., W.
	16	20.1	752.85	29.543	....	56.5	48.3	.262	64.	90	.4	..	.4	Cu.
	17	19.9	753.00	29.550	....	54.9	48.	.273	63.	105	.5	..	.9	Cu., Ci-cu.
	18	19.	754.00	29.592	....	53.5	47.5	.277	68.	125	..	..	1.0	Cu., N., raining.
	19	18.2	754.60	29.620	....	49.	46.5	.304	81.2	70	1.7	.01	.2	Ci cu., Cu.
	20	17.5	755.05	29.640	....	48.	44.6	.272	82.	85	..	..	..	Ci. at Hor.
	21	16.9	755.75	29.671	....	47.8	44.3	.268	81.	80	.1	..	..	Clear.
	22	16.7	756.15	29.687	....	47.3	43.7	.261	81.	65	.1	..	.1	Scattered Ci.
	23	17.4	756.90	29.713	40.6	46.5	43.5	.265	82.3	77	..	..	..	Clear.

* Supplied.

Observed dew point: 3*h*., 48°; 9*h*., 47°.8; 15*h*., 38°; 21*h*., 38°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
18	0	18.9	766.40	30.079	39.3	46.	44.4	.290	90.	340	..	..	..	Hazy.
	1	20.2	766.15	30.063	39.4	46.7	45.8	.313	91.5	285	..	..	..	Slightly hazy.
	2	22.2	765.65	30.033	41.	46.3	45.5	.311	92.	270	..	..	..	Slightly hazy.
	3	23.5	765.25	30.011	42.	46.8	45.5	.305	89.	265	..	..	..	Thin Ci., hazy.
	4	22.7	764.50	29.986	....	45.3	44.8	.306	92.	205	..	..	1.0	Ci s.
	5	22.4	764.00	29.967	....	49.	48.4	.347	91.	240	..	..	1.0	Ci-s.
	*6	21.5	762.75	29.924	....	50.5	49.4	.354	91.	255	..	..	1.0	Ci-s.
	7	21.5	762.60	29.918	....	52.	50.7	.367	90.6	255	..	..	1.0	Ci-s.
	8	24.2	762.25	29.890	....	58.	56.7	.454	89.3	255	..	..	1.0	Ci-s., S.
	9	24.2	762.00	29.880	....	62.3	60.4	.509	87.4	290	..	..	1.0	Ci-s., S.
	10	23.7	760.70	29.833	....	67.6	66.6	.641	77.	10	.3	..	.9	Ci.
	11	23.2	759.85	29.800	....	69.7	60.2	.421	71.	10	1.5	..	.9	Ci.
	12	24.2	758.85	29.757	....	71.7	61.	.423	67.	30	2.7	..	.9	Ci.
	13	25.5	758.00	29.716	....	72.4	61.5	.430	65.	40	1.8	..	.9	Ci., *W.*
	14	25.5	757.00	29 677	....	72.5	61.7	.453	65.	20	1.2	..	.9	Ci., *W.*
	15	25.	756.20	29.648	....	73.	61.3	.417	63.	20	1.8	..	.8	Ci., *W.*
	16	25.	755.70	29.629	....	72.	60.5	.405	63.5	20	2.6	..	.5	Ci., *W.*
	17	24.6	755.25	29.613	....	68.5	61.	.458	71.	0	1.5	..	.2	Ci.
	18	23.5	755.00	29.608	....	67.	61.	.475	72.	0	2.6	..	..	Hazy at Hor.
	19	23.5	755.10	29.612	....	65 3	62.	.423	78.	12	1.3	..	..	Hazy.
	20	23.2	755.35	29.623	....	65.5	61.	.491	78.	20	.7	..	1.0	Ci-cu., Cu.
	21	23.	755.50	29.631	....	65.4	61.	.493	79.8	20	.2	..	.8	Ci-cu., Cu., Ci-s.
	22	22.	757.40	29.711	....	57.5	52.2	.343	78.	130?	4.5	..	1.0	S., Ci-s., *SW.*
	23	....	.....	.....	....	55.1	51.9	.362	81.	110	3.0	..	1.0	S., Ci-s., Ci-cu.

* Twenty minutes late.

Observed dew point: 3*h*., 40°.5; 9*h*., 55°.5; 15*h*., 51°.8.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
20	0	2..7	765.70	30.038	....	45.5	41.	.224	75.	120	..	..	1.0	Cu., Ci-cu.
	1	2..8	765.75	30.040	....	45.3	39.8	.213	73.5	135	.2	..	1.0	Cu., Ci-cu.
	2	2..5	765.35	30.026	....	44.5	39.2	.198	73.	135	.1	..	.8	Cu., Ci-cu.
	3	21.5	765.30	30.024	....	42.5	38.3	.201	76.	135	..	..	.2	Ci-cu.
	4	21.8	765.70	30.038	....	41.3	38.2	.213	78.	135	..	..	..	Clear.
	5	22.4	766.10	30.050	....	39.6	36.7	.202	79.	145	.2	..	..	Clear.
	6	23.3	766.35	30.056	....	39.5	36.5	.200	79.2	135	.2	..	.4	Ci-cu.
	7	22.2	767.00	30.081	....	41.3	38.	.208	78.	140	.2	..	.2	Ci-cu.
	8	22.9	767.30	30.096	....	44.4	40.3	.220	76.	135	1.0	..	..	Clear.
	9	23.6	767.30	30.092	57.	47.	42.	.226	71.3	140	1.8	..	..	A few Cu.
	10	22.7	767.30	30.096	61.	47.	40.6	.196	66.	140	2.0	..	.5	Cu., *NW.*
	11	21.7	767.00	30.089	64.5	48.4	41.	.190	63.5	140	2.3	..	.6	Cu., *NW.*
	12	21.	766.70	30.082	....	49.7	40.7	.168	62.	150	2.0	..	.7	Cu., *WNW.*
	13	20.4	766.30	30.069	....	50.5	41.	.166	61.	160	1.5	..	.4	Cu., *WNW.*
	14	19.7	766.30	30.072	....	51.4	42.1	.178	61.5	170	1.0	..	.6	Cu., *WNW.*
	15	19.	766.50	30.083	....	50.	41.	.171	61.	165	.5	..	.4	Cu., *WNW.*
	16	18.1	766.75	30.098	....	50.1	41.4	.179	61.3	165	.4	..	.6	Cu., *WNW.*
	17	17.5	766.75	30.100	....	48.	41.	.194	64.	140	..	..	.2	Cu., *WNW.*
	18	16.3	767.10	30.119	....	43.	39.	.209	66.2	140	..	..	..	Clear.
	*19	15.4	767.50	30.140	40.8	42.5	38.4	.203	68.	140	..	..	..	Clear.
	20	15.4	767.75	30.150	32.	40.7	37.5	.206	71.	140	..	..	..	Clear.
	21	16.1	768.10	30.160	29.	39.7	35.5	.178	73.2	140	..	..	..	Clear.
	22	18.9	768.65	30.168	26.	36.7	34.5	.193	80.	140	..	..	..	Clear.
	23	20.	768.90	30.173	27.	36.9	34.	.182	78.	140	..	..	..	Clear.

* Twenty minutes late.

Observed dew point: 21*h*., 20°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
22	0	19.8	765.80	30.050	26.2	37.5	36.9	.230	88.	30	..	..	.1	Ci., Ci cu.
	1	20.	765.65	30.044	25.3	37.2	36.2	.220	89.	30	..	..	.1	Ci.
	2	20.1	765.25	30.028	24.8	36.	35.2	.214	89.	30	..	..	.3	Ci.
	3	19.9	764.60	30.003	24.8	36.	35.2	.214	92.	30	..	..	.8	Ci.
	4	19.7	764.50	30.001	27.	36.5	35.7	.218	92.5	30	..	..	.3	Ci.
	5	19.2	764.35	29.997	27.	37.	36.5	.228	93.	30	..	..	.2	Ci.
	6	17.5	764.50	29.991	....	38.	37.5	.236	93.	30	..	..	1.0	Ci., Ci-s.
	7	18.4	763.40	29.963	....	42.5	42.	.277	93.	30	..	..	.8	Ci., Ci-s.
	8	19.2	763.35	29.953	....	45.7	44.7	.300	91.7	20	..	..	1.0	Ci., Ci-s.
	9	21.	763.10	29.938	....	50.5	48.	.321	86.	30	.2	..	1.0	Ci., Ci-s.
	10	20.8	762.75	29.926	....	52.	48.8	.322	83.	35	.5	..	1.0	Ci., Ci-s.
	11	20.4	761.75	29.890	....	55.8	50.7	.325	78.	30	.2	..	1.0	Ci., Ci-s., Ci-cu.
	12	21.5	760.60	29.840	....	59.2	52.1	.321	71.5	30	.2	..	1.0	Ci., Ci-s., Ci-cu.
	13	21.7	760.20	29.832	....	59.8	52.6	.327	70.5	35	.3	..	1.0	Ci , Ci-s., Ci-cu.
	14	21.2	759.90	29.813	....	60.	52.3	.318	68.	40	.3	..	1.0	Ci-s., Ci-cu.
	15	20.8	759.10	29.782	....	59.	51.5	.309	69.3	40	.2	..	1.0	Ci-s., Ci-cu.
	16	21.	758.95	29.776	....	58.5	51.5	.315	70.5	35	.1	..	1.0	Ci-s., Ci-cu.
	17	21.9	758.75	29.764	....	57.	52.	.344	73.	35	.1	..	1.0	Ci-s.
	18	22.5	758.75	29.761	....	56.5	54.5	.413	74.	35	..	..	1.0	N., ? Ci-s.
	19	22.5	758.50	29.751	....	54.	51.5	.365	82.	50	..	.01	1.0	N., raining.
	20	22.	758.55	29.756	....	53.	50.5	.352	85.5	40	..	.01	1.0	N., raining.
	21	22.	758.70	29.762	....	51.8	50.4	.363	90.	80	..	.03	1.0	N., raining.
	22	21.9	758.05	29.736	....	51.5	50.2	.361	92.	60	..	.05	1.0	N., raining.
	23	22.2	757.70	29.721	....	51.5	50.	.356	92.	35	..	.01	1.0	N., raining.

Observed dew point: 3*h*., 33°.5; 9*h*., 45°; 15*h*., 42°.6; 21*h*., 49°.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Radiation.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., degrees.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
25	0	21.5	759.70	29.804	....	60.2	58.	.464	90.	330	.2	.04	1.0	N., raining.
	1	24.	759.10	29.766	....	60.1	58.2	.472	91.	320	.2	.01	1.0	N., raining.
	2	24.8	758.20	29.729	....	60.5	58.7	.481	91.	320	1.3	.01	1.0	N., raining.
	3	24.6	757.55	29.704	....	60.	58.8	.490	92.7	320	1.2	.04	1.0	N., raining.
	4	24.4	757.00	29.683	....	60.	59.2	.500	92.5	310	2.0	.19	1.0	N., raining.
	5	24.5	756.15	29.649	....	61.	59.8	.507	92.2	310	1.2	.21	1.0	N., raining.
	6	23.7	755.55	29.630	....	61.7	60.7	.526	92.2	325	2.5	.04	1.0	N., raining.
	7	23.6	754.70	29.597	....	62.7	61.6	.540	89.8	335	3.0	.07	1.0	N., raining.
	8	23.4	753.65	29.558	....	63 2	61.9	.543	90.5	325	3.7	.09	1 0	N., raining.
	9	23.1	753.05	29.536	....	64.1	63.	.566	90.5	350	7.0	.20	1.0	N., raining.
	10	22.5	752.90	29.533	....	64.7	63.4	.572	91.5	350	4.2	.02	1.0	N., raining.
	11	22.1	754.00	29.577	....	56.	53.5	.393	88.5	*120	4.2	..	1.0	N., raining.
	12	21.3	754.00	29.582	....	53.	52.	.389	91.5	140	3.0	.08	1.0	N., raining.
	13	20.7	754.30	29.597	....	53.5	52.5	.396	91.	125	.6	.01	1.0	N.
	14	20.	754.60	29.612	....	53.6	52.1	.384	90.	130	1.0	.01	1.0	N.
	15	19.3	755.50	29.651	....	51.7	49.3	.338	86.	125	.7	.01	1.0	N.
	16	18.9	756.00	29.671	....	52.2	48.7	.318	81.	120	.5	..	1.0	N.
	17	18.2	757.00	29.712	....	52.	48.5	.316	80.1	120	.2	..	1.0	N., Ci., Ci-cu.
	18	18.	757.55	29.736	....	51.	47.5	.304	78.	130	..	..	1.0	N., Ci., Ci-cu.
	19	17.7	758.00	29.754	....	51.5	48.	.310	78.	130	..	..	.4	N., Ci.
	20	17.1	758.50	29.778	....	51.	49.	.339	77.5	130	..	..	.3	N., ? Ci.
	21	17.	759.00	29.797	....	49.5	45.5	.275	76.5	130	..	..	.1	Ci.
	22	16.1	759.25	29.811	....	48.3	43.7	.250	75.	120	..	..	.9	Ci-s., Ci.
	23	16.4	759.45	29.818	....	47.3	42.7	.239	75.	130	.1	..	.2	Ci-s. at *E.*, Ci.

* Sudden change of wind.

Observed dew point: 3*h.*, 55°.5; 9*h.*, 60°; 15*h.*, 47°.1; 21*h.*, 39°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
27	0	19.6	765.00	30.020	32.8	39.5	36.6	.203	80.	140	..	..	..	Clear.
	1	20.3	765.05	30.019	32.	40.5	37.3	.204	77.	140	..	..	..	Clear.
	2	21.1	765.10	30.017	29.2	37.4	35.4	.203	83.	140	..	..	..	Clear.
	3	20.6	765.00	30.015	34.	38.	36.7	.220	87.	140	..	..	..	Clear.
	4	18.7	765.25	30.035	33.	37.	35.7	.212	87.5	40	..	..	..	Clear.
	5	19.	765.25	30.033	33.	35.7	34.5	.204	88.	45	..	..	..	Clear.
	6	18.7	765.25	30.035	32.	34.7	33.7	.201	89.2	45	..	..	..	Clear.
	7	19.8	766.15	30.066	....	35.7	34.8	.210	89.3	45	..	..	..	Clear.
	8	21.3	766.80	30.084	....	41.4	39.2	.232	82.5	45	..	..	..	Clear.
	9	21.5	766.90	30.088	60.	48.	42.	.215	70.3	140	.2	..	..	Clear.
	10	19.	767.00	30.102	....	49.5	43.	.219	68.	140	.2	..	..	Clear.
	11	19.5	767.15	30.106	....	52.2	45.	.232	67.	145	.7	..	..	Clear.
	12	20.	767.10	30.101	....	53.5	45.	.217	62.	130	.7	..	.2	Cu, *N.*
	13	20.9	767.20	30.101	....	54.	44.7	.205	60.3	150	1.5	..	.1	Cu., *NNW.*
	14	20.8	767.50	30.113	....	53.5	43.	.175	56.	150	2.9	..	..	A few Cu. in *SE.*
	15	20.5	767.70	30.122	....	53.6	43.6	.186	56.	150	1.6	..	..	A few Cu. in *SE.*
	16	20.2	768.50	30.155	....	53.	44.5	.212	56.	165	1.7	..	..	A few Cu. in *SE.*
	17	19.9	769.15	30.181	....	50.5	44.	.230	58.	170	.6	..	..	A few Cu. in *SE.*
	18	19.3	769.65	30.206	....	46.5	41.	.211	60.	170	.1	..	..	Clear.
	19	20.5	770.00	30.212	....	45.	41.	.228	62.	170	.1	..	..	Clear.
	20	20.8	770.70	30.238	....	43.	40.5	.241	66.	170	..	..	..	Clear.
	21	20.8	771.10	30.254	37.8	42.5	39.3	.222	67.	165	..	..	..	Clear.
	22	20.7	771.45	30.268	36.3	40.4	36.7	.193	72.	170	..	..	..	Clear.
	23	20.6	771.65	30.277	34.7	38.7	36.2	.203	75.5	170	..	..	..	Clear.

Observed dew point: 3*h.*, 35°; 9*h.*, 34°; 21*h.*, 28°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
29	0	20.2	772.15	30.297	32.8	39.4	38.6	.243	88.3	340	..	..	..	Clear.
	1	19.7	771.90	30.291	32.1	38.4	37.8	.238	91.	340	..	..	..	Clear.
	2	19.5	771.65	30.282	31.6	37.5	37.	.232	91.	345	..	..	..	Clear.
	3	20.6	771.55	30.273	31.2	37.	36.	.219	91.	210	..	..	..	Clear.
	4	20.2	771.50	30.272	31.8	36.5	35.5	.215	93.	210	..	..	..	Clear.
	5	20.	771.50	30.273	32.	36.2	35.7	.221	92.	210	..	..	..	Clear.
	6	17.5	771.25	30.276	29.2	35.3	35.	.218	93.	210	..	..	.2	S., Ci-s.
	7	17.8	771.80	30.296	....	35.3	34.7	.212	92.8	210	..	..	.1	S., Ci-s.
	8	20.	772.00	30.292	....	41.	40.	.252	90.	195	..	..	..	Clear.
	9	22.	771.80	30.276	....	47.2	44.7	.283	82.5	185	..	..	..	Clear.
	10	21.3	771.50	30.267	....	51.5	47.7	.302	77.5	50	..	..	..	Clear.
	11	21.5	770.90	30.243	71.3	53.	49.	.315	73.5	70	..	..	..	Clear.
	12	21.6	770.30	30.218	79.5	55.8	49.7	.300	71.3	40	..	..	..	Clear.
	13	21.8	769.70	30.194	81.	57.5	50.5	.300	69.5	340	..	..	..	Clear.
	14	22.	769.40	30.181	82.	58.7	53.	.349	71.	350	..	..	..	Clear.
	15	22.	769.30	30.177	75.	59.3	53.	.342	68.5	0	..	..	..	Clear.
	16	22.	769.30	30.177	....	58.3	52.6	.343	70.3	0	..	..	..	Ci., hazy.
	17	21.	769.40	30.185	....	50.5	45.5	.263	70.	0	..	..	..	Hazy.
	18	21.	769.60	30.193	....	51.	47.5	.303	76.	0	..	..	..	Hazy.
	19	20.	769.60	30.198	....	48.5	46.	.298	76.	0	..	..	..	Clear.
	20	19.2	769.60	30.203	....	47.5	45.5	.297	86.	0	..	..	..	Clear.
	21	18.6	769.75	30.211	40.	45.	43.5	.282	89.	0	..	..	..	Clear.
	22	17.7	769.75	30.215	38.	43.4	42.4	.276	91.	330	..	..	..	Clear.
	23	16.8	769.60	30.216	37.6	42.5	41.5	.269	92.	340	..	..	..	Clear.

Observed dew point: 3*h*., 35°.5; 9*h*., 40°.3; 15*h*., 43°.3; 21*h*., 42°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	21.	770.70	30.237	34.	38 9	37.9	.235	90.	235	..	..	..	Clear.
	1	20.8	770.55	30.232	33.	38.3	37.5	.233	90.	235	..	..	..	Clear.
	2	21.	770.60	30.233	33.8	37.9	37.1	.230	91.	235	..	..	..	Clear.
	3	21.6	770.30	30.218	33.1	38.	37.	.227	91.	215	..	..	..	Clear.
	4	21.2	770.50	30.228	32.	37.3	36 5	.224	91.2	215	..	..	..	Clear.
	5	20.8	770.50	30.230	33.	37.2	36.5	.225	92.	215	..	..	..	Clear.
	6	19.7	770.40	30.231	....	36.7	35.7	.216	91.	220	..	..	1.0	S.
	7	19.5	770.65	30.242	....	37.	36.4	.226	92.2	215	..	..	.4	S.
	8	20.6	770.65	30.237	....	40.5	39.8	.255	91.	215	..	..	..	Clear.
	9	20.7	770.45	30.229	†65.2	45.	42.8	.266	85.5	170	..	..	..	Clear.
	10	20.7	770.35	30.225	66.1	49.8	47.3	.312	83.	45	..	..	..	Hazy.
	11	22.	770.00	30.205	70.	53.2	48.6	.304	75.5	65	..	..	..	Hazy.
	12	22.2	769.00	30.164	75.	55.5	50.	.310	73.5	110	..	..	..	Hazy.
	13	22.2	768.60	30.149	75.	57.7	51.7	.328	73.	50	..	..	..	Hazy.
	14	22.2	768.10	30.129	73.5	59.7	53.	.338	71.	85	..	..	..	Hazy.
	15	22.	767.50	30.107	71.5	59.5	53.5	.353	73 5	25	..	..	..	Hazy.
	16	21.3	767.35	30.105	....	58.	53.5	.370	75.	25	..	..	..	Hazy.
	17	21.3	767.35	30.105	....	56.	52.	.354	76.	35	..	..	..	Hazy.
	18	21.5	767.50	30.110	....	51.	48.	.315	81.	35	..	..	..	Hazy.
	*19	22.	767.50	30.107	....	48.5	46.5	.308	86.	40	..	..	..	Clear.
	20	22.	767.60	30.111	37.2	47.4	45.5	.298	88.	40	..	..	..	Clear.
	21	22.5	767.70	30.112	38.	46.	44.5	.292	89.	40	..	..	..	Clear.
	22	21.6	767.85	30.122	37.	46.2	44.5	.290	89.	40	..	..	..	Clear.
	23	21.	767.70	30.119	35.8	44.1	42.9	.278	90.5	40	..	..	..	Clear.

* Twenty minutes late. † Thirty minutes late. Observed dew point: 3*h*., 35°.5; 9*h*., 41°.2; 15*h*., 46°; 21*h*., 41°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
3	0	21.4	771.15	30.253	40.	43.9	42.4	.270	90.	205	..	..	..	Clear.
	1	22.	771.35	30.258	39.8	43.8	41.8	.258	87.	200	..	..	..	Clear.
	2	21.7	771.55	30.267	39.1	43 4	41.2	.251	86.	205	..	..	..	Clear.
	3	20.8	771.50	30.270	38.	42.	40.2	.246	86.	220	..	..	..	Clear.
	4	20.5	772.05	30.292	36.5	41.	38.7	.227	82.7	230	..	..	..	Clear.
	5	19.5	772.55	30.317	35.	40.	37.	.204	80.2	225	..	..	..	Clear.
	6	18.3	772.75	30.330	....	37.7	34.7	.185	78.	225	..	..	.4	Ci-s., Ci-cu., Cu. at Hor.
	7	18.	773.35	30.356	....	36.8	34.2	.185	78.8	215	..	..	..	Clear.
	8	20.5	774.00	30.369	....	39.8	36.8	.202	76.	230	..	..	..	Clear.
	9	21.2	774.30	30.378	57.	41.5	37.	.187	73.7	240	.3	..	.1	Ci. in *N.*
	10	21.5	774.50	30.385	62.	43.	38.	.189	72.	220	.2	..	.1	Ci.
	11	20.7	774.10	30.373	66.5	45.5	40.	.201	69.	200	.1	..	..	Clear.
	12	20.7	773.50	30.350	68.	47.7	40.4	.185	62.	200	.1	..	.1	Ci., *N.*
	13	20.8	773.00	30.329	69.	49.4	40.9	.176	58.3	220	.1	..	.4	Ci., *N.*
	14	20.5	772.60	30.314	72.3	49.1	39.5	.151	54.3	215	.1	..	.1	Ci. in *S.*
	15	20.8	772.60	30.313	65.	49.5	40.5	.166	53.	210	..	..	..	Ci., *S.*
	16	20.4	772.30	30.303	....	49.	41.	.183	56.	200	..	..	..	Ci., *S.*
	17	20.5	772.30	30.302	....	46.	41.5	.218	57.	180	..	..	..	Ci., *S.*
	18	21.2	772.55	30.309	....	42.5	37.5	.185	61.	175	..	..	..	Clear.
	19	21.	772.55	30.309	....	40.	36.5	.194	65.	175	..	..	..	Clear.
	20	20.3	772.55	30.313	31.5	38.	35.5	.198	72.2	175	..	..	..	Clear.
	21	19.6	772.55	30.316	31.	36.2	33.	.171	73.	175	..	..	..	Clear.
	22	18.5	772.30	30.311	28.4	34.5	32.2	.175	76.	230	..	..	..	Clear.
	23	19.3	772.10	30.300	27.	33.	31.	.172	79.	230	..	..	..	Clear.

Observed dew point: 3*h*., 38°.5; 9*h*., 39°; 15*h*., 30°; 21*h*., 28°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
5	0	18.6	768.90	30.178	31.	37.6	33.4	.162	71.	165	..	..	..	Clear.
	1	19.1	768.80	30.172	28.8	37.8	33.2	.156	70.	165	..	..	..	Clear.
	2	19.7	768.80	30.170	24.8	37.6	33.5	.163	70.	165	..	..	..	Clear.
	3	18.6	768.45	30.160	27.2	38.5	33.5	.153	69.	155	..	..	..	Clear.
	4	19.	769.50	30.200	26.3	37.	33.5	.169	71.	155	..	..	..	Clear.
	5	19.2	769.00	30.179	28.	37.5	33.	.161	69.5	155	..	..	..	Clear.
	6	19.	769.00	30.180	29.7	36.5	33.	.166	69.	155	..	..	..	Clear.
	7	19.2	769.40	30.195	....	34.	31.5	.167	73.5	155	..	..	..	Clear.
	8	19.7	769.55	30.198	....	39.8	36.3	.191	69.3	155	..	..	..	Clear.
	9	19.6	769.55	30.199	58.5	45.	38.5	.177	66.	155	..	..	.4	Ci.
	10	18.8	769.50	30.200	65.	48.2	40.	.171	61.5	175	..	..	.4	Ci , light
	11	19.8	769.20	30.185	72.	51.7	42.7	.187	57.5	130	..	..	.5	Ci., light.
	12	19.2	768.30	30.152	76.	54.1	44.1	.191	56.	165	..	..	.3	Ci., light.
	13	19.3	767.80	30.132	76.5	56.2	45.6	.200	53.5	65	..	..	.2	Ci., light.
	14	19.	767.30	30.113	76.	57.	47.	.223	57.	10	..	..	..	Ci., light.
	15	18.5	767.10	30.106	70.	57.2	46.7	.213	55.7	20	..	..	..	Ci., light.
	16	18.8	766.80	30.094	....	56.	49.5	.294	57.8	20	..	..	..	Ci., light
	17	18.1	766.80	30.099	....	53.5	45.6	.232	56.2	20	..	..	..	Ci., light
	18	17.5	766 80	30.102	....	51.	45.8	.265	58.	55	..	..	..	Clear.
	*19	16.7	766.60	30.098	....	49.	44.5	.259	60.	55	..	..	..	Clear.
	20	16.5	766.45	30.094	....	46.4	42.	.234	66.	55	..	..	..	Clear.
	21	15.6	766.45	30.097	....	43.5	38.5	.194	68.	58	..	..	..	Clear.
	22	15.	766.25	30.092	....	43.3	38.3	.191	67.	60	..	..	..	Clear.
	23	....	.....	†30.090	....	†43.	....	†.190	†66.5	60	..	..	..	

* Fifteen minutes late. † Supplied. Observed dew point: 2h., 28°; 9h., 26°; 15h., 33°.6; 21h., 30°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
8	0	17.3	752.65	29.548	....	50.8	49.7	.358	89.	250	..	.05	1.0	N., raining.
	1	17.	751.65	29.510	....	51.2	50.	.360	91.	250	.1	.07	1.0	N., raining.
	2	20.	750.40	29.446	....	51.1	50.3	.368	89.	250	.8	.08	1.0	N., raining.
	3	21.2	749.55	29.407	....	52.	51.4	.385	89.	260	.8	.22	1.0	N., raining.
	4	20.9	749.10	29.390	....	51.8	51.2	.382	89.	265	1.7	.13	1.0	N., raining.
	5	20.7	748.15	29.354	....	51.2	50.7	.376	89.	260	.8	.44	1.0	N., raining.
	6	20.7	746.40	29.285	....	50.7	50.3	.373	89.	250	1.4	.25	1.0	N., raining.
	7	20.2	746.00	29.271	....	50.5	50.	.367	89.2	240	2.0	.04	1.0	N., raining.
	8	22.2	745.45	29.240	....	51.4	50.5	.370	89.	250	.8	..	1.0	N.
	9	23.4	745.40	29.233	....	52.3	51.7	.389	89.	240	.7	..	1.0	N.
	10	21.8	745.55	29.247	....	52.5	51.5	.382	89.	240	.2	.01	1.0	N., raining.
	11	22.3	746.55	29.283	....	52.6	51.8	.388	89.5	105	..	.04	1.0	N., drizzling.
	12	21.5	746.25	29.276	....	51.	50.	.362	89.5	130	..	.06	1.0	N., raining.
	13	21.	746.55	29.289	....	51.6	50.6	.370	89.5	100	.1	.08	1.0	N., raining.
	14	20.5	747.45	29.327	....	53.4	51.4	.370	87.	110	.2	.02	.9	N., Ci cu., Cu
	15	20.3	748.30	29.361	....	55.	52.7	.384	86.	90	.3	..	.7	Ci., Ci-s., Cu-s.
	16	19.8	749.00	29.392	....	56.	53.	.381	84.	120	.1	..	.6	Ci., Ci-s., Cu-s.
	17	19.7	749.70	29.420	....	55.	53.	.392	86.	125	..	..	.4	Cu-s. ?
	18	19.	750.35	29.448	....	52.5	51.5	.382	89.	0	..	..	.4	Cu.
	19	18.5	751.00	29.476	....	50.5	49.5	.356	89.2	0	..	..	..	Cu.
	20	18.6	751.65	29.502	....	51.5	49.5	.345	84.	0	..	..	..	Cu.
	21	19.4	752.10	29.515	....	51.5	48.5	.322	81.	0	..	..	..	Cu.
	22	20.3	752.50	29.528	....	49.7	48.	.330	86.	25	..	..	.2	Cu., ? Cu-s.
	23	20.7	752.95	29.544	....	48.5	46.7	.313	87.	25	..	..	.3	Cu., Cu-s.

Observed dew point: 3h., 50°; 9h., 51°.5; 15h., 51°.2

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
10	0	17.8	758.45	29.773	28.	34.5	33.4	.198	89.	70	..	..	..	Clear.
	1	19.	758.55	29.771	26.8	33.1	32.2	.191	90.5	45	..	..	..	Clear.
	2	19.	759.00	29.788	29.2	35.2	34.2	.204	91.	30	..	..	..	Clear.
	3	19.5	759.00	29.785	26.7	33.3	32.5	.191	89.8	50	..	..	..	Clear.
	4	18.3	759.00	29.790	31.	34.	33.3	.301	89.9	35	..	..	..	Clear.
	5	17.3	759.00	29.795	29.2	34.	34.	.196	90.	35	..	..	..	Clear.
	6	15.9	759.50	29.822	....	34.2	33.5	.202	92.5	30	..	..	1.0	Cu.
	7	15.5	759.90	29.839	....	36.7	35.5	.212	90.	35	..	..	1.0	Ci-s.
	8	16.8	760.60	29.862	....	38.6	37.	.220	87.	35	..	..	1.0	Ci-s., Ci-cu.
	9	18.	760.85	29.866	....	41.7	38.7	.219	80.5	75	..	..	.9	Ci-s.
	10	17.8	760.90	29.869	....	44.6	40.1	.215	76.	65	..	..	.2	Cu., Ci-s., Ci-cu.
	11	18.1	760.90	29.868	62.	46.5	40.	.191	69.	110	.7	..	.3	Cu., Ci-cu., W.
	12	18.7	760.80	29.861	63.5	46.3	39.7	.188	67.	110	1.2	..	.6	Cu., Ci-cu., W.
	13	19.	760.90	29.863	64.	48.	41.2	.200	66.5	120	1.5	..	.7	Cu., Ci-cu., W.
	14	18.5	761.10	29.872	62.	48.	41.	.196	65.5	120	.6	..	.4	Cu., Ci-cu., W.
	15	18.	761.25	29.881	....	47.	40.	.186	65.	115	1.0	..	.2	Cu., Ci.
	16	17.7	761.60	29.896	....	46.	41.	.218	67.	110	1.0	..	.2	Cu., Ci.
	17	18.5	761.90	29.901	....	44.5	40.	.214	69.	110	.4	..	.4	Cu., Ci.
	18	18.	762.00	29.934	....	42.5	39.5	.226	71.8	110	.2	..	.3	Cu., Ci.
	19	17.2	762.80	29.945	....	42.5	38.8	.212	73.5	95	..	..	.8	Ci-cu., Ci.
	20	17.5	763.00	29.951	....	40.7	37.8	.213	77.	95	..	..	.8	Ci-cu., Ci.
	21	18.	763.30	29.961	....	41.	38.5	.223	78.	95	..	..	.9	Ci-cu., Cu., Ci.
	22	18.3	763.50	29.967	....	41.9	38.2	.207	77.	90	..	..	1.0	Ci-cu., Ci-s.
	23	18.2	763.60	29.971	....	42.2	38.	.199	75.	100	..	..	1.0	Cu., Ci., Ci-s.

Observed dew point: 3h., 31°; 9h., 34°; 15h., 30°.2; 21h., 29°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
12	0	18.9	767.65	30.128	29.1	36.5	35.2	.208	86.5	115	..	..	.1	Ci , Ci-s., Ci-cu
	1	20.	767.75	30.127	29.	36.6	34.9	.202	85.	115	..	..	.1	Ci-s., Ci-cu
	2	19.7	768.00	30.139	29.	35.7	34.7	.208	88.3	115	..	..	.2	Ci-s.
	3	18.7	766.60	30.089	....	36.	35.	.211	88.7	115	..	..	1.0	Cu., Ci-s.
	4	20.	767.10	30.101	....	37.5	35.7	.207	87.2	220	..	..	1.0	Cu., Ci s.
	5	19.7	766.85	30.094	....	37.5	35.7	.207	87.	225	..	..	1.0	Cu., Ci-s.
	6	19.	767.00	30.102	....	37.5	36.6	.225	90.5	230	..	..	1.0	Ci-s.
	7	18.4	767.10	30.109	....	37.5	36.5	.223	91.	230	..	..	1.0	Ci-s.
	8	20.	767.25	30.107	....	38.5	37.5	.231	91.	230	..	..	1.0	Ci-s., N.
	9	20.	766.85	30.092	....	39.4	38.2	.234	90.5	245	..	..	1.0	Ci-s., N.
	10	17.7	766.00	30.071	....	41.7	40.	.245	86.7	245	..	..	1.0	N., slight rain
	11	19.6	766.00	30.060	....	42.5	41.	.257	89.	245	..	.03	1.0	N., slight rain.
	12	20.2	765.00	30.017	....	43.5	42.5	.277	91.	10	..	.04	1.0	N., raining.
	13	19.5	764.05	29.984	....	44.1	42.9	.279	91.	10	.5	.02	1.0	N., raining.
	14	18.	763.40	29.965	....	43.8	42.5	.273	91.3	25	.6	.02	1.0	N., raining.
	15	17.3	763.00	29.952	....	43.5	42.5	.277	92.	25	.2	.01	1.0	N., raining.
	16	17.1	762.80	29.947	....	43.5	42.5	.277	91.8	15	..	..	1.0	N.
	17	17.9	762.80	29.943	....	43.8	43.	.284	91.2	15	..	..	1.0	N.
	18	18.6	762.80	29.939	....	43.5	42.9	.285	92.	15	..	..	1.0	Cu., N.
	19	18.8	762.80	29.937	....	42.8	42.	.274	91.	15	..	..	1.0	Cu.
	20	19.3	763.20	29.951	....	42.5	41.5	.268	92.	15	..	..	.9	Cu.
	21	20.3	763.60	29.962	....	42.	41.	.263	92.	15	..	..	.8	Cu.
	22	20.4	763.60	29.962	....	41.9	41.	.258	92.	15	..	..	.7	Cu.
	23	20.2	763.80	29.970	....	41.6	40.5	.257	91.	85	..	..	.9	Cu.

Observed dew point: 3*h*., 33°; 9*h*., 36°; 15*h*., 41°; 21*h*., 39°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
15	0	18.9	759.50	29.807	36.3	42.	40.6	.254	89.	55	..	..	.1	Scattered Cu.
	1	19.2	759.90	29.822	38.5	43.9	40.2	.225	80.5	140	..	..	..	Ci s.
	2	21.1	760.75	29.847	38.8	42.6	37.1	.177	71.	140	1.0	..	..	Clear.
	3	20.	761.35	29.875	36.5	40.5	36.2	.182	73.2	140	1.0	..	..	Clear.
	4	20.	761.85	29.895	35.	39.2	34.9	.172	74.	125	.1	..	..	Clear.
	5	19.7	761.90	29.899	35.5	37.	33.	.161	76.5	120	..	..	..	Clear.
	6	19.	762.50	29.925	36.	36.3	32.3	.155	76.7	115	..	..	..	Clear.
	7	18.5	763.60	29.970	....	36.5	32.7	.161	77.	110	..	..	..	Clear.
	8	17.8	764.35	30.003	....	38.	34.6	.180	76.	110	..	..	..	Clear.
	9	20.5	765.00	30.015	....	40.	36.7	.197	74.	135	..	..	..	Clear.
	10	20.	765.00	30.008	....	42.5	38.4	.203	72.8	145	..	..	..	Clear.
	11	18.8	764.25	29.994	57.5	43.	37.2	.175	70.	180	..	..	.2	Ci., Cu.
	12	18.3	762.60	29.932	58.5	44.	38.	.179	68.5	160	.7	..	.2	Ci., Cu.
	13	18.	763.00	29.949	60.	44.3	38.3	.182	68.	130	.3	..	.3	Ci., Cu.
	14	17.8	763.90	29.986	62.	44.4	38.1	.176	67.	145	.2	..	.7	Ci cu., Cu.
	15	18.	763.60	29.973	....	44.3	38.	.175	66.7	150	.1	..	.9	Ci-cu., Cu.
	16	19.8	764.20	29.991	....	43.5	38.	.184	68.	168	..	..	1.0	Ci-cu., Cu.
	17	20.	763.80	29.971	....	41.8	37.5	.203	72.2	168	..	..	1.0	Ci-cu., Cu.
	18	22.	763.80	29.962	....	40.5	37.	.199	73.	210	..	..	1.0	Ci-cu., ? Cu.?
	19	21.9	764.15	29.976	....	39.	36.	.196	74.	210	..	..	1.0	Overcast.
	20	21.	764.55	29.996	....	38.	36.	.208	79.	210	..	..	1.0	Overcast.
	21	20.7	763.80	29.968	....	38.	35.5	.198	80.	210	..	..	1.0	Overcast.
	22	19.5	763.80	29.974	....	37.	35.5	.209	83.	210	..	..	1.0	Overcast.
	23	17.9	763.20	29.957	....	37.1	35.6	.209	84.	210	..	..	1.0	Ci-s.

Observed dew point: 3h., 29°; 9h., 28°; 15h., 30°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
17	0	19.5	762.00	29.903	....	39.	37.5	.225	89.	235	..	..	.9	Ci-s.
	1	19.6	761.80	29.895	....	39.	37.7	.229	88.6	215	..	..	1.0	N., Ci-s., drizzling.
	2	20.	762.20	29.908	....	39.5	38.	.229	87.	215	..	..	1.0	N , drizzling.
	3	20.	761.65	29.887	....	39.3	38.	.231	89.	215	..	..	1.0	N., drizzling.
	4	19.5	761.20	29.872	....	39.	37.5	.225	89.7	250	..	..	1.0	Ci-s., Cu., S.
	5	19.8	761.85	29.897	....	39.	38.	.235	91.	250	.1	..	1.0	Ci-s., Cu., S.
	6	19.9	762.40	29.916	....	39.5	38.	.229	90.	250	..	..	1.0	Ci-s., Cu., S.
	7	19.8	762.10	29.906	....	39.6	38.4	.236	90.2	245	..	..	1.0	Ci-s., S.
	8	19.8	761.85	29.897	....	40.	39.3	.250	92.5	250	.2	..	1.0	Ci s., S.
	9	19.	761.70	29.894	....	41.5	41.	.268	92.5	260	.2	..	1.0	Ci-s., S.
	10	19.6	761.40	29.879	....	42.4	41.6	.271	92.7	260	..	..	1.0	Ci-s., S.
	11	20.	760.65	29.848	....	45.2	44.4	.299	92.5	270	..	..	1.0	Ci-s., S.
	12	20.	759.35	29.796	....	48.3	46.5	.311	87.5	280	..	..	1.0	Ci-s , N.
	13	19.5	758.10	29.750	....	48 6	46.6	.310	88.	300	.7	..	1.0	Ci s., N.
	14	19.6	757.80	29.738	....	48.	47.	.326	90.	300	.6	.03	1.0	N., raining.
	15	19.5	757.25	29.717	....	47.7	46.7	.322	91.	295	.6	.03	1.0	N., drizzling.
	16	19.	757.00	29.709	....	47.	46.	.315	92.	280	.6	.03	1.0	N., raining.
	17	20.1	756.60	29.688	....	47.	46.4	.323	92.	280	.5	.04	1.0	N., raining.
	18	20.	755.70	29.644	....	47.	46.5	.325	92.	275	.4	.03	1.0	N., raining.
	*19	22.8	755.70	29.640	....	47.7	47.3	.336	92.	270	..	.04	1.0	N., raining.
	20	23.	754.50	29.592	....	48.	47.5	.337	92.	265	..	.02	1 0	N., raining.
	21	23.	753.95	29.570	....	48.5	48.	.343	92.	265	..	.02	1.0	N., raining.
	22	23.	752.65	29.521	....	50.7	50.	.365	92.	285	..	.02	1.0	N., raining.
	23	22.6	751.45	29.475	....	51.3	50.7	.375	92.	285	.1	.03	1.0	N., raining.

* Fifteen minutes late.

Observed dew point: 3*h*., 35°.5; 9*h*., 40°.2; 15*h*., 45°.6; 21*h*., 48°.3.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
19	0	17.3	755.75	29.669	26.2	29.	23.8	.095	55.	85	2.5	..	..	Clear.
	1	17.3	756.15	29.684	25.	28.4	23.2	.092	55.	85	2.0	..	..	Clear.
	2	18.6	756.75	29 701	25.	28.2	23.6	.100	55.	90	1.8	..	..	Clear.
	3	18.2	757.30	29.724	24.3	27.3	23.	.098	57.8	80	1.5	..	..	Clear.
	4	17.	757.60	29.743	23.	26.7	22.4	.097	59.	80	1.0	..	..	Clear.
	5	17.6	757.90	29.751	23.	26 5	22.7	.104	60.	75	.2	..	..	Clear.
	*6	17.5	758.40	29.770	22.	25.7	22.4	.108	61.5	65	.5	..	..	Clear.
	7	16.3	759.20	29.808	....	26.2	23.	.112	62.	80	.2	..	..	Clear.
	8	15.5	759.50	29.823	....	28.	24.5	.116	61.3	85	.1	..	..	Clear.
	9	16.2	760.10	29.845	39.	30.	25.	.105	58.	85	1.6	..	..	Clear.
	10	15.	760.30	29.858	42.5	31.4	26.	.107	58.5	85	3.7	..	..	Clear.
	11	15.7	760.50	29.863	45.	33.5	27.5	.110	57.5	85	3.5	..	..	Clear.
	12	15.7	760.40	29.859	47.	34.	28.	.113	57 3	90	3.2	..	..	Clear.
	13	16.	760.50	29.861	48.	35.1	28.6	.112	56.7	100	3.0	..	..	Clear.
	14	17.	761.00	29.876	46.7	37.2	29.5	.105	56.3	90	3.2	..	..	Cu.
	15	17.5	761.65	29.899	....	35.8	29.	.111	56.3	90	3.0	..	..	Cu.
	16	16.7	762.10	29.920	....	35.2	28.5	.109	56.3	90	3.0	..	..	Cu.
	17	14.9	762.75	29.954	....	33.7	28.8	.128	58.	85	2 5	..	..	Clear.
	18	15.4	763.55	29.984	....	32.7	28.5	.133	59.	85	.8	..	..	Clear.
	19	17.	764.35	30.008	28.	32.	29.1	.151	60.	90	.6	..	..	Clear.
	20	18.3	765.05	30.028	....	31.1	26.8	.121	61.	90	.5	..	..	Clear.
	21	17.9	765.80	30.060	26.3	30.5	26.2	.118	61.5	90	.6	..	..	Clear.
	22	17.3	766.00	30.071	26.	29.9	25.9	.119	62.	90	1.0	..	..	Clear.
	23	16.4	766.40	30.092	26.	29.	25.9	.119	62.	90	1.2	..	..	Clear.

* Thirty minutes late.

Observed dew point: 9h., 11°.3; 15h., 15°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
22	0	16.	769.10	30.199	20.6	25.2	22.	.107	69.	130	..	..	..	Light in the *N.*
	1	16.2	769.10	30.199	17.1	24.7	21.9	.111	69.	130	..	..	..	Light in the *N.*
	2	16.8	769.50	30.212	14.4	24.3	21.8	.113	69.	130	..	..	..	Light in the *N.*
	3	16.4	769.55	30.216	11.	21.6	20.	.113	73.	130	..	..	..	Light in the *N.*
	*4	15.7	769.65	30.222	....	21.5	20.	.114	74.	130	..	..	.5	Ci-s.
	5	15.	769.65	30.223	....	21.5	20.	.114	74.5	130	..	..	.7	Ci-s., Cu.
	6	14.5	769.70	30.229	....	21.5	20.	.114	78.	130	..	..	1.0	S., Ci-s., Cu.
	7	13.7	769.70	30.233	....	21.7	20.	.112	77.7	130	..	..	1.0	Ci-s., Cu.
	8	14.5	770.25	30.250	....	23.5	20.5	.102	76.5	130	..	..	1.0	Ci-s., Cu.
	9	15.2	770.35	30.252	....	25.5	22.7	.115	74.	130	..	..	.9	Ci., Ci-s.
	10	15.5	770.70	30.263	....	27.6	24.4	.120	72.	130	..	..	.8	Ci.
	11	16.7	770.60	30.254	....	29.2	26.	.118	68.	150	..	..	.6	Ci., *WSW.*
	12	17.3	769.50	30.208	....	31.5	26.6	.114	66.	130	..	..	.4	Ci., *WSW.*
	13	17.	769.20	30.198	50.5	33.5	28.	.117	62.	100	..	..	.3	Ci. in *S.*
	14	16.1	768.70	30.182	49.	36.2	30.2	.126	60.5	90	..	..	.2	Ci. in Hor.
	15	15.4	768.10	30.163	....	36.	30.	.125	59.5	95	..	..	.2	Ci., Ci-cu.
	16	17.	768.50	30.165	....	34.	29.5	.137	65.5	15	..	..	..	Clear.
	17	18.8	768.65	30.167	....	31.5	28.5	.146	65.5	15	..	..	..	Clear.
	18	18.	768.80	30.178	....	28.7	27.3	.154	69.	15	..	..	..	Clear.
	19	18.5	768.90	30.179	....	27.5	25.5	.138	69.2	15	..	..	..	Clear.
	20	17.9	769.25	30.195	19.	26.	24.5	.137	76.	15	..	..	..	Clear.
	21	16.8	768.85	30.187	14.8	24.6	23.5	.136	79.	15	..	..	..	Clear.
	22	15.4	768.80	30.191	13.3	23.7	22.4	.128	81.5	15	..	..	..	Clear.
	23	17.	768.85	30.186	13.	23.	22.5	.127	84.	15	..	..	..	Clear.

* Fifteen minutes late.

Observed dew point: 3*h.*, 15°.3; 9*h.*, 16.°5; 15*h.*, 22°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
24	0	19.6	761.20	29.871	....	35.8	33.3	.184	80.	235	..	..	1.0	N., raining.
	1	19.7	760.55	29.846	....	35.7	34.4	.201	88.5	240	..	.04	1.0	N., raining.
	2	20.	760.85	29.856	....	34.2	33.	.195	90.	155	..	.05	1.0	N., raining.
	3	20.4	760.00	29.821	....	34.6	33.6	.200	91.	145	..	.02	1.0	N., drizzling.
	4	20.5	759.30	29.793	....	34.5	33.7	.203	91.	145	..	.01	1.0	N., Cu.
	5	19.3	758.55	29.769	....	34.5	33.8	.201	91.8	145	..	..	1.0	N., raining.
	6	19.2	758.30	29.759	....	35.4	34.5	.208	90.5	115	..	..	1.0	N., raining.
	7	20.7	758.50	29.760	....	35.	34.5	.202	92.	145	..	.01	.8	N., Cu.
	8	21.	759.10	29.782	....	35.	34.3	.208	92.5	140	..	..	1.0	Ci-s.
	9	19.	759.30	29.799	....	37.5	36.2	.216	89.	110	.2	..	.8	Ci s., Cu , *NW.*
	10	19.6	760.00	29.824	51.	36.6	33.1	.168	76.5	125	3.7	..	.3	Ci cu., Cu., *W.*
	11	19.	760.30	29.839	....	37.5	33.	.157	69.	120	3 6	..	.4	Ci-cu., Cu., *W.*
	12	18.5	760.40	29.845	58.5	39.5	33.5	.143	65.	110	3.0	..	.4	Cu., *W.*
	13	18.9	760.70	29.855	56.5	40.	33.5	.137	62.	140	3.3	..	.1	Cu., *W.*
	14	18.	761.50	29.891	....	40.2	33.5	.135	61.	120	3.0	..	..	Clear.
	15	17.3	762.10	29.917	....	40.	33.5	.137	60.	135	3.0	..	..	Clear.
	16	17.3	763.25	29.962	....	37.9	31.5	.131	61 7	130	3.0	..	..	Clear.
	17	18.2	764.35	30.001	....	35.1	34.5	.175	65.	130	3 0	..	..	Clear.
	18	18.3	764.75	30.017	....	33.8	29.5	.138	67.	130	2.3	..	..	Clear.
	19	18.	765.65	30.054	....	33.	29.5	.146	68.2	130	1.0	..	..	Clear.
	20	17.2	766.35	30.085	....	32.5	29.5	.152	71.	100	.3	..	..	Clear.
	21	16.	766.65	30.103	27.	31.8	28.8	.148	73.	100	.1	..	..	Clear.
	22	16.7	767.50	30.133	....	31.1	28.7	.153	73.5	110	..	..	..	Clear.
	23	17.3	767.75	30.140	24.	30.2	28.	.151	77.	60	..	..	..	Clear.

Observed dew point: 3*h.*, 33°.5; 9*h.*, 35°; 15*h.*, 26°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
29	0	13.	771.10	30.292	17.	19.	16.5	.089	71.	120	.4	..	.1	Ci. at *S.*
	1	14.3	771.00	30.280	16.6	18.8	16.3	.088	71.	130	.4	..	..	Ci. at *S.*
	2	15.2	771.40	30.293	16.8	18.7	16.2	.087	71.	130	.7	..	.2	Ci , Ci-s.?
	3	15.4	772.00	30.316	16.	18.3	16.	.088	72.	130	.6	..	.1	Ci.
	4	14.4	772.05	30.321	16.	18.5	16.	.086	72.	135	.4	..	.1	Ci.
	5	14.5	772.40	30.335	17.	18.5	16.	.086	72.	140	.5	..	..	Clear.
	6	15.	773.00	30.337	....	18.	16.	.092	73.	125	..	..	..	Clear.
	7	14.5	773.50	30.379	....	17.7	15.8	.092	73.3	120	..	..	..	Clear.
	8	15.8	773.85	30.387	....	19.5	17.	.090	72.3	135	..	..	..	Clear.
	9	15.8	774.60	30.416	37.	22.	19.	.092	71.	125	.5	..	.1	Ci. in *S.*
	10	16.5	774.65	30.415	41.	25.	21.5	.101	69.	135	.5	..	.1	Ci. in *S.*
	11	17.	774.50	30.407	46.5	26.9	23.	.104	67.	135	.4	..	.1	Ci. in *S.*
	12	15.3	774.00	30.395	46.3	28.2	23.5	.099	65.	130	.2	..	.1	Ci. in *S.*
	13	15.1	773.70	30.385	46.	29.5	24.5	.101	64.	135	.7	..	..	Ci.
	14	15.8	773.35	30.367	46.	30.7	25.	.097	62.	135	.2	..	..	Ci.
	15	15.4	773.25	30.366	....	30.5	24.5	.091	61.	140	.2	..	..	Ci.
	16	15.3	773.60	30.380	....	31.	25.5	.099	61.	150	.2	..	..	Ci.
	17	16.8	773.95	30.387	....	28.5	26.	.136	63.	150	..	..	..	Clear.
	18	17.	774.40	30.403	....	26.5	25.5	.117	65.	150	..	..	..	Clear.
	19	16.	774.40	30.406	....	25.	22.5	.117	66.	140	..	..	..	Ci. in *W.*
	20	15.	773.90	30.393	....	24.2	22.	.117	68.	150	..	..	..	Ci.
	21	15.4	774.00	30.395	....	22.4	20.5	.113	72.	150	..	..	..	Clear.
	22	15.2	773.80	30.388	....	21.5	20.	.104	72.5	150	..	..	..	Clear.
	23	14.2	773.30	30.373	....	20.	18.8	.112	73.	150	..	..	..	Clear.

Observed dew point: 9*h*., 8°.3.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
1	0	16.3	750.90	29.483	....	29.3	28.	.160	80.	100	1.0	..	1.0	Ci-s.
	1	15.4	750.95	29.491	....	28.	26.6	.150	82.	90	1.5	..	1.0	Ci-s.
	2	14.2	751.65	29.521	....	29.2	27.5	.153	78.	110	3.8	..	.8	Ci-s., Ci.
	3	16.8	752.10	29.528	....	29.8	27.3	.143	76.	110	4.0	..	1.0	Ci-s.
	4	18.3	752.50	29.537	....	30.5	27.7	.143	74.	120	3.5	..	1.0	Ci s.
	5	17.9	752.85	29.552	....	30.5	27.2	.135	72.	105	3.5	..	1.0	Ci-s., Cu. ?
	6	18.2	753.70	29.584	....	29.1	25.9	.128	70.	95	3.7	..	1.0	Ci-s.
	7	18.9	753.90	29.589	....	28.9	25.5	.114	70.	105	3.5	..	1.0	Ci s.
	8	18.	754.30	29.609	....	29.	25.7	.126	70.	95	5.7	..	1.0	Ci-s.
	9	17.	754.60	29.625	....	29.7	26.	.124	68.	105	4.5	..	1.0	Ci-s.
	10	16.6	755.00	29.641	....	30.5	26.5	.124	67.5	100	4.3	..	1.0	Ci-s., Ci-cu.
	11	16.2	755.00	29.644	....	31.5	27.1	.123	66.	100	3.5	..	.8	Ci., Cu., Ci cu., *NW.*
	12	14.8	754.60	29.636	....	32.6	28.1	.128	65.5	110	4.0	..	.9	Ci., Cu., Ci-cu., *NW.*
	13	13.7	754.70	29.645	....	33.	28.8	.136	66.	110	5.5	..	1.0	Ci-s., Ci-cu., *NW.*
	14	14.5	755.20	29.660	....	33.5	29.	.134	66.	110	4.3	..	.6	Cu., Ci-cu., *NW.*
	15	14.3	755.80	29.684	....	33.6	29.6	.143	67.	115	4.0	..	.9	Cu., Ci-cu., *NW.*
	16	14.3	757.00	29.731	....	33.	29 6	.149	69.	115	3.7	..	1.0	Cu., Ci-cu.
	17	14.2	757.50	29.751	....	32.5	30.	.161	70.	110	3.3	..	1.0	Cu., Ci-cu.
	18	15.4	758.40	29.782	....	33.5	32.	.182	70.	110	3.5	..	1.0	Cu , Ci-cu.
	*19	14.	759.45	29.829	....	33.5	32.8	.197	70.	110	3.5	..	1.0	Cu., Ci-cu.
	20	12.2	759.70	29.848	....	33.5	33.	.201	68.	110	3.5	..	1.0	Cu., ? Ci cu. ?
	21	11.3	760.35	29.878	....	32.5	29.	.144	67.	110	3.7	..	..	A few Cu.
	22	12.6	761.20	29.906	....	31.5	28.	.138	67.	140	3.3	..	..	Clear.
	23	12.7	762.50	29.957	....	31.3	27.5	.132	67.5	145	4.0	..	.7	Cu.

* Eighteen minutes late.

Observed dew point: 3*h*., 23°; 9*h*., 18°; 15*h*., 19°.5; 21*h*., 18°.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Radiation.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., degrees.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
3	0	16 6	764.70	30.023	....	27.3	26.2	.151	82.	35	..	..	..	Clear.
	1	16.6	763.85	29.989	24.5	26.8	25.8	.150	82.5	35	..	..	..	Clear.
	2	15.5	762.75	29.951	25.2	27.5	26.4	.152	83.5	35	..	..	..	Clear.
	3	15.3	761.80	29.914	....	29.	27.8	.160	84.	30	..	..	1.0	Ci s.?
	4	15.8	761.20	29.889	....	30.	28.7	.164	84.	35	..	..	1.0	Ci-s.?
	5	16.3	760.50	29.860	....	32.	30.5	.174	83.5	55	..	..	1.0	Ci-s.?
	6	17.3	760.55	29.857	....	33.	31.	.172	83.3	60	..	..	1.0	Ci-s.
	7	17.5	760.70	29.862	....	34.	31.5	.171	81.5	70	..	..	1.0	Ci-s.
	8	16.8	760.75	29.868	....	34.2	32.	.177	80.8	70	..	..	1.0	Ci., Ci s., Ci-cu.
	9	16.6	760.80	29.370	....	33.5	31.5	.176	80.5	70	..	..	.8	Ci., Ci-s., Ci-cu.
	10	16.3	761.00	29.879	....	36.	32.5	.164	76.	70	..	..	.2	Ci. in *S.*
	11	18.2	761.00	29.869	....	39.	35.5	.187	74.	70	..	..	.2	Ci. in *S.*
	12	19.2	760.60	29.850	....	41.1	37.6	.204	73.	40	..	..	.2	Ci. in *S.*
	13	20.3	760.40	29.837	....	42.4	38.8	.213	73.	40	..	..	.1	Ci. in *S.*
	14	20.3	760.25	29.831	....	44.3	40.3	.222	71.	40	..	..	..	Clear.
	15	20.8	760.20	29.826	....	45.4	40.1	.206	68.5	45	..	..	..	Clear.
	16	20.5	760.25	29.830	....	45.5	40.	.203	68.	45	..	..	..	Hazy in Hor.
	17	19.3	760.45	29.843	....	43.2	38.7	.203	70.	50	..	..	.1	Ci.
	18	18.9	760.85	29.861	....	40.	36.7	.198	74.	35	..	..	..	Clear.
	19	19.6	761.35	29.877	30.4	38.1	35.5	.196	75.	30	..	..	..	Clear.
	20	20.	761.60	29.885	30.	36.2	34.	.189	79.	30	..	..	..	Clear.
	21	19.5	762.05	29.904	27.	37.2	34.8	.193	77.5	30	..	..	..	Clear.
	22	18.	762.15	29.916	27.	38.	35.3	.193	76.	45	..	..	..	Clear.
	23	....	.....	*29.920	....	*38.5	....	*.193	*75.	45	..	..	..	

* Supplied.

Observed dew point: 3*h*., 26°.5; 9*h*., 26°.3; 15*h*., 32°.3.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
6	0	21.	763 60	29.959	36.	38.7	36.	.169	81.	100	.6	..	..	Clear.
	1	20.7	764.70	30.002	34.6	38.	35.2	.191	81.	165	.1	..	..	Clear.
	2	20.3	765.95	30.055	34.8	37.6	33.8	.169	74.	175	.4	..	..	Clear.
	3	19.8	767.15	30.105	35.	36.	32.5	.163	73.5	160	.4	..	..	Clear.
	4	19.8	768.20	30.147	32.	35.7	32.	.161	73.5	160	.5	..	..	Clear.
	5	20.	768.95	30.175	30.	35.	31.4	.158	73.7	160	.5	..	..	Clear.
	6	20.4	769.50	30.195	28.5	34.	30.6	.155	74.	180	.2	..	..	Clear.
	7	20.6	770.20	30.220	....	32.	29.	.149	74.	180	.1	..	.2	Ci., Ci-s.
	8	19.7	770.75	30.247	....	32.7	29.5	.150	73.2	165	.1	..	..	Clear.
	9	20.3	771.35	30 267	....	34.2	31.	.159	72.2	225	.1	..	.1	Ci.
	10	19.5	771.80	30.288	....	33.6	29.6	.142	70.	185	.4	..	.2	Ci.
	11	18.5	772.00	30.299	....	35.1	31.	.150	68.	190	.2	..	.2	Ci.
	12	18.2	772.00	30.300	....	35.1	30.5	.142	67.	200	.2	..	.9	Ci., Ci-cu., *WNW.*
	13	18.2	771.15	30.267	....	35.3	31.	.148	68.	190	..	..	.8	Ci., Ci-cu., *WNW.*
	14	18.5	770.70	30.248	....	35.6	31.	.145	68.	230	..	..	.8	Ci., Ci-s., *WNW.*
	15	18.4	770.70	30.248	....	35.	31.	.151	66.	240	..	..	.9	Ci., Ci s., *WNW.*
	16	18.4	770.80	30.252	....	34.5	30.	.140	66.	230	..	..	.9	Ci., Ci-s., *WNW.*
	17	18.5	771.10	30.264	....	34.	30.5	.153	68.	230	..	..	.9	Ci., Ci-s., *WNW.*
	18	18.6	771.70	30.288	....	34.2	31.	.160	69.5	230	..	..	1.0	Ci.?
	19	18.4	771.55	30.282	....	33.5	30.5	.159	70.	230	..	..	1.0	Overcast.
	20	17.	772.10	30.312	....	33.	30.	.156	71.	230	..	..	1.0	Overcast.
	21	16.6	771.70	30.298	....	33.5	31.	.167	71.	230	..	..	1.0	N., snowing.
	22	16.5	771.15	30.277	....	32.	30.5	.174	77.	230	..	..	1.0	N., snowing.
	23	16.2	770.35	30.246	....	30.7	29.7	.174	77.	290	..	..	1.0	N., snowing.

Observed dew point: 3*h*., 27.5°; 9*h*., 27°; 15*h*., 26°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
8	0	16.1	765.00	30.037	....	31.3	33.3	.198	87.	140	..	..	1.0	Ci-s.
	1	17.	765.00	30.033	....	34.7	33.5	.196	88.	145	..	..	1.0	N., Ci-s.
	2	17.9	764.90	30.025	....	34.3	33.2	.196	89.	215	..	..	1.0	N., raining.
	3	18.7	765.00	30.045	....	32.8	32.	.190	90.2	245	..	.02	1.0	N., raining.
	4	18.5	764.55	30.007	....	32.5	32.	.193	91.	230	..	.01	1.0	N., raining.
	5	18.	764.10	29.993	....	32.5	32.	.193	91.2	250	..	.02	1.0	N., fog, raining.
	6	17.8	763.70	29.978	....	32.5	32.	.193	91.2	245	..	..	1.0	N., fog, raining.
	7	17.5	764.10	29.995	....	32.	31.5	.190	91.	245	..	..	1.0	N., fog, raining.
	8	16.5	763.60	29.981	....	32.	31.4	.188	91.3	250	..	..	1.0	N., raining.
	9	18.	763.20	29.957	....	32.	31.5	.191	91.3	255	..	.03	1.0	N., drizzling.
	10	18.	763.10	29.953	....	32.2	31.6	.191	91.5	255	..	.02	1.0	N., drizzling.
	11	17.3	761.75	29.904	....	32.5	32.	.193	92.	250	..	..	1.0	N., raining.
	12	16.8	760.90	29.874	....	32.5	32.	.193	92.	250	..	..	1.0	N., raining.
	13	16.2	760.00	29.841	....	32.7	32.2	.195	92.	240	..	.07	1 0	N., raining.
	14	15.8	758.90	29.799	....	33.	32.5	.197	92.	240	.2	.08	1.0	N., raining.
	15	15.9	758.55	29.785	....	33.	32.5	.197	93.	240	.2	.05	1.0	N., raining.
	16	14.7	757.70	29.758	....	33.	32.5	.197	93.	240	.3	.07	1.0	N., raining.
	17	16.	757.30	29.735	....	34.	33.5	.204	92.	240	.4	.06	1.0	N., raining.
	18	16.5	757.00	29.722	....	34.	33.5	.204	92.2	240	.2	.05	1.0	N., raining.
	19	16.6	756.25	29.692	....	34.	33.5	.204	92.2	230	.2	.07	1.0	N., raining.
	20	17.	755.50	29.659	....	34.5	34.	.207	92.2	230	.2	.05	1.0	N., raining.
	21	17.5	755.30	29.648	....	35.	34.5	.212	92.2	230	..	.08	1.0	N., raining.
	22	17.1	755.00	29.639	....	35.2	34.8	.215	92.	220	.2	.28	1.0	N., raining.
	23	16.4	752.75	29.555	....	34.9	31.5	.214	92.	260	.2	.14	1.0	N., raining.

Observed dew point: 3*h*., 31°.5; 9*h*., 30°.8; 15*h*., 31°.8; 21*h*., 34°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
10	0	17.8	763.50	29.970	29.3	34.5	32.4	.178	74.	100	..	..	..	Clear.
	1	18.1	764.05	29.991	27.	33.1	31.	.171	77.	75	..	..	..	Clear.
	2	17.5	764.60	30.015	25.5	33.2	30.9	.169	77.	75	..	..	..	Clear.
	3	17.	765.75	30.063	26.	32.	29.7	.161	77.	75	..	..	..	Clear.
	4	17.7	765.70	30.057	23.	30.6	29.3	.168	78.5	75	..	..	..	Clear.
	5	17.8	766.15	30.073	24.	31.7	29.5	.160	76.8	75	..	..	..	Clear.
	6	17.7	766.80	30.101	23.	32.5	30.3	.167	75.7	75	..	..	..	Clear.
	7	17.5	767.40	30.125	....	33.5	31.5	.176	75.	90	..	..	..	Clear.
	8	19.2	768.00	30.141	....	34.5	31.6	.167	75.	90	..	..	1.0	Cu., Ci s.
	9	17.1	768.45	30.169	....	36.2	32.5	.161	74.	120	..	..	1.0	Cu., Ci cu.
	10	17.	768.85	30.186	....	37.1	33.1	.161	71.5	135	..	..	1.0	Ci-cu., Ci-s.
	11	16.	769.00	30.195	....	37.	33.	.161	72.	165	..	..	1.0	Ci-cu., Ci-s.
	12	16.8	768.80	30.184	....	37.	33.5	.170	73.	190	..	..	1.0	Ci-cu., Ci-s.
	13	16.4	768.90	30.190	....	36.6	32.6	.158	71.5	290	..	..	1.0	Ci cu., Ci-s.
	14	16.2	769.25	30.204	....	36.6	32.6	.158	71.7	195	..	..	1.0	Ci-cu., Ci-s.
	15	16.9	769.50	30.211	....	36.	32.3	.159	71.9	183	..	..	1.0	Ci-cu., Ci-s.
	16	17.	770.15	30.235	....	35.3	32.4	.169	72.2	180	..	..	1.0	Ci-cu., Ci-s.
	17	17.	770.35	30.243	....	34.5	31.	.152	73.	180	..	..	1.0	Ci-cu., Ci-s.
	18	16.5	770.50	30.251	....	33.5	32.	.183	74.	180	..	..	1.0	Ci-cu., Ci-s.
	19	17.	770.90	30.265	....	33.5	30.5	.159	75.	225	..	..	1.0	Ci cu.,? Ci-s.?
	20	17.6	770.90	30.262	....	33.	30.4	.162	75.	230	..	..	1.0	Ci-cu.,? Ci-s.?
	21	17.8	770.90	30.260	....	32.6	30.	.160	75.	235	..	..	1.0	N.,? Ci-s.?
	22	18.5	771.15	30.267	....	32.5	29.7	.156	76.	240	..	..	1.0	Ci., Ci-s.
	23	18.6	771.10	30.265	....	31.9	29.1	.152	76.	250	..	..	1.0	Ci., Ci-cu., Ci-s.

Observed dew point: 3*h*., 27°; 9*h*., 26°.5; 15*h*., 24°.5; 21*h*., 25°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
13	0	15.1	769.40	30.216	....	31.	27.	.126	70.5	240	.7	..	1.0	Ci-s.
	1	14.9	769.30	30.212	....	30 6	27.	.130	71.	245	.4	..	1.0	Ci-s.
	2	14.5	769.00	30.202	....	30.2	26.3	.123	70.	250	.6	..	1.0	Ci-s.
	3	14.	768.35	30.180	....	30.2	26.7	.129	71.7	230	.7	..	1.0	N.
	4	13.4	768.10	30.173	....	30.	27.	.137	75.	250	1.0	..	1.0	N.
	5	13.	767.40	30.147	....	28.3	26.	.138	80.6	250	1.0	..	1.0	N., snowing.
	6	12.8	766.20	30.101	....	27.5	26.	.146	87.3	250	1.0	..	1.0	N., snowing.
	*7	12.5	763.40	29.992	....	26 5	26.2	.159	90.	250	1.3	..	1.0	N., snowing.
	8	11.9	764.30	30.030	....	27.	26.7	.162	90.4	240	1.2	..	1.0	N., snowing.
	9	11.4	763.00	29.981	....	27 5	27.	.162	90.5	210	5.0	..	1.0	N., snowing.
	10	11.	762.40	29.961	....	27.7	27.4	.166	90.5	240	5.0	..	1.0	N., raining.
	11	11.4	762.00	29.943	....	32.7	32.4	.199	93.5	240	3.5	..	1.0	N., raining.
	12	11.9	758.35	29.796	....	33.5	32.	.184	91.5	245	3.2	.06	1.0	N., raining.
	13	12.2	757.15	29.748	....	34.	33.4	.205	92.	220	2 5	.05	1.0	N., raining.
	14	13.	755.90	29 695	....	32.9	32.5	.199	92.	205	2.2	.07	1.0	N., raining.
	15	13.	754.50	29.640	....	33.2	32.6	.198	92.	215	2.7	.05	1.0	N., raining.
	16	12.9	754.50	29.640	....	33.5	32.5	.192	91.2	205	3.5	.03	1.0	N., raining.
	17	13.2	754.10	29.623	....	33.6	33.	.200	91.2	205	3.0	.03	1.0	N., raining.
	18	13.2	751.70	29.528	....	33.5	32.5	.192	91.	230	2.7	.04	1.0	N., raining.
	19	12.8	751.40	29.518	....	33.5	32.5	.192	91.	220	3.7	.01	1.0	N., raining.
	20	13.	752.20	29.549	....	33.5	32.5	.192	92.	230	3.7	..	1.0	N., raining.
	21	13.	752 00	29.542	....	33.7	33.2	.192	92.	230	2.2	.01	1.0	N., raining.
	22	13.5	752.15	29.545	....	33.2	33.	.195	92.	195	.5	.01	1.0	N., raining.
	23	13.	752.75	29.572	....	33.	32.5	.187	92.	160	.2	.04	1.0	N., raining.

* Fifteen minutes late.

Observed dew point: 3*h*., 21°; 9*h*., 26°.5; 15*h*., 32°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
15	0	15.	767.90	30.157	25.	28.4	26.1	.138	75.	125	..	..	..	Ci-s. at W. Hor.
	1	14.9	768.25	30.171	19.	27.3	25.4	.138	75.	125	..	..	.1	Ci-s. at W. Hor.
	2	15.3	768.85	30.194	....	27.3	25.8	.145	78.5	125	..	..	.9	Cu.
	3	11.2	769.15	30.226	....	29.	27.	.147	77.	125	..	..	1.0	Cu.
	4	12.4	769.35	30.225	....	29.	27.	.147	77.5	125	..	..	1.0	Cu.
	5	14.	769.70	30.231	....	29.2	27.	.145	78.	125	..	..	.4	Cu.
	6	16.2	769.85	30.227	....	29.3	27.	.144	78.	125	..	..	..	Clear.
	7	16.4	770.20	30.239	....	29.7	27.7	.151	77.	125	..	..	.5	Cu.
	8	16.5	771.15	30.277	....	30.	27.5	.145	76.5	125	..	..	.1	Ci-cu.
	9	16.8	771.55	30.292	....	31.3	28.7	.151	75.	125	..	..	.1	Ci-cu.
	10	17.8	772.00	30.305	....	34.2	30.	.143	70.	25	.2	..	..	Clear.
	11	17.9	772.20	30.312	....	35.2	30.5	.141	69.5	110	.3	..	.8	Cu.
	12	17.3	771.60	30.291	....	35.2	30.6	.142	69.5	115	.2	..	.3	Cu.
	13	16.3	771.30	30.285	....	35.1	30.7	.145	69.	120	.2	..	1.0	Cu.
	14	17.	771.25	30.285	....	35.5	31.2	.150	70.	195	.1	..	1.0	Cu.
	15	18.4	771.40	30.278	....	36.2	31.7	.150	68.	120	.1	..	.3	Cu.
	16	20.3	771.70	30.280	....	35.5	31.3	.152	69.	105	..	..	.1	Cu.
	17	20.6	772.15	30.296	....	33.5	30.5	.159	70.8	110	..	..	.1	Cu., Ci-cu.
	18	21.8	772.55	30.306	....	32.	28.5	.141	72.	105	..	..	.1	Cu., Ci-cu.
	*19	21.	772.50	30.307	....	29.5	27.5	.150	75.	105	..	..	..	Clear.
	20	20.2	772.30	30.304	....	29.	27.	.147	77.2	110	..	..	..	Clear.
*	21	19.3	772.15	30.303	....	28.	26.6	.150	78.	110	..	..	..	Clear.
	22	19.4	772.00	30.296	24.2	27.	25.5	.143	80.3	105	..	..	..	Clear.
	23	17.4	771.60	30.291	....	26.5	25.5	.148	82.	105	..	..	..	Clear.

*Fifteen minutes late.

Observed dew point: 3*h*., 22°.5; 9*h*., 22°; 15*h*., 23°.5; 21*h*., 19°.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Radiation.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., degrees.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
17	0	15.	764.20	30.011	26.3	29.	24.7	.109	66.	110	2.0	..	..	Clear.
	1	14.	764.20	30.016	....	28.3	24.	.105	66.	115	.5	..	.6	Cu.
	2	15.1	764.45	30.021	25.2	27.6	23.6	.106	67.	115	.4	..	..	Clear.
	3	16.	764.50	30.018	25.	27.	23.	.103	68.8	120	.2	..	..	Clear.
	4	16.3	764.75	30.025	23.8	26.5	23.	.108	70.	120	.3	..	..	Clear.
	5	16.3	765.00	30.034	24.	26.	23.	.114	71.	120	.7	..	..	Clear.
	6	16.	765.55	30.059	23.7	25.5	22.5	.112	71.7	110	2.0	..	..	Clear.
	7	15.3	765.85	30.071	....	25.5	22.5	.112	70.	120	1.5	..	..	Clear.
	8	14.8	766.30	30.086	....	25.5	22.5	.112	68.8	135	.8	..	.2	Cu.
	9	14.	766.10	30.091	....	26.5	22.5	.101	67.3	125	1.3	..	.4	Cu.
	10	13.5	766.10	30.093	....	27.	22.7	.099	65.	135	3.2	..	.1	Cu. in *S.*
	11	13.2	765.00	30.050	....	27.	22.5	.096	61.7	130	3.5	..	.1	Ci., Cu. in Hor.
	12	13.7	763.80	30.002	....	27.8	23.5	.103	65.	120	2.2	..	.4	Ci , Ci cu.
	13	13.	762.50	29.954	....	28.2	24.2	.110	65.	90	1.2	..	.9	Ci., Ci-cu.
	14	12.	760.65	29.887	....	28.	24.5	.116	65.	70	1.0	..	.9	Ci., Ci-cu.
	15	10.8	759.15	29.833	....	29.5	25.6	.117	63.5	55	.8	..	1.0	Ci., Ci-cu.,' Cu.
	16	11.	757.60	29.771	....	30.	25.	.104	63.5	35	2.2	..	.9	Ci., Ci-s.'
	17	13.8	757.05	29.736	....	29.2	25.2	.115	66.	50	1.0	..	.8	Ci., Ci-cu.
	18	14.9	756.40	29.704	....	29.3	25.5	.119	67.	40	.2	..	.4	Ci., Ci-cu.
	19	16.4	755.70	29.671	24.	27.7	25.	.128	71.	30	..	..	..	Ci. in *E.*
	20	15.6	754.40	29.623	....	27.2	25.	.133	74.	30	..	..	..	Ci-cu.
	21	14.	753.55	29.598	22.	26.8	24.1	.123	76.	30	..	..	..	Ci.'
	22	12.2	752.25	29.556	....	26.5	21.6	.134	78.	30	..	..	.6	Ci-cu.
	23	12.3	751.75	29.536	....	29.5	26.6	.135	75.5	55	..	..	.5	Ci-cu., Ci.

Observed dew point: 3*h*., 18°.5; 9*h*., 12°.3.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
20	0	15.2	762.50	29.943	26.5	33.2	29.7	.148	72.3	110	..	..	..	Clear.
	1	15.	762.85	29.958	23.	29.9	27.9	.152	76.5	90	..	..	..	Clear.
	2	14.8	763.70	29.992	24.5	31.	28.5	.151	77.	70	..	..	..	Clear.
	3	14.	763.65	29.994	23.5	29.	27.	.147	79.3	50	..	..	..	Clear.
	4	14.3	763.80	29.998	22.	27.	25.	.135	80.	60	..	..	..	Clear.
	5	14.	764.25	30.018	20.8	26.8	25.	.137	80.7	80	..	..	..	Clear.
	6	14.	765.00	30.047	19.5	26.7	25.3	.148	81.5	85	..	..	..	Clear.
	7	14.3	765.50	30.065	19.	26.5	25.3	.145	82.	85	..	..	.1	S. at Hor.
	8	15.	766.30	30.094	....	27.3	26.	.148	82.	100	..	..	..	Clear.
	9	15.5	767.00	30.118	....	31.6	29.7	.174	81.	40	..	..	..	Clear.
	10	16.5	766.90	30.112	64.5	33.6	31.1	.167	79.	40	..	..	..	Clear.
	11	17.2	767.00	30.110	66.5	37.8	33.5	.161	73.5	40	..	..	..	Clear.
	12	15.9	766.00	30.078	70.	39.5	34.8	.166	70.5	35	.1	..	.2	Ci., *W.*
	13	18.	765.80	30.060	....	40.9	35.7	.168	70.	20	.1	..	.7	Ci., *W.*
	14	18 2	766.00	30.067	....	41.3	36.	.170	69.	40	..	..	.6	Ci., *W.*
	15	17.6	766.00	30.070	....	41.5	36.	.167	69.	55	..	..	.5	Ci., *W.*
	16	18.	765.90	30.064	....	39.	35.	.176	70.	50	..	..	.5	Ci., *W.*
	17	17.3	765.55	30.053	....	36.	33.	.173	72.	50	..	..	1.0	Ci., Ci-s., *W.*
	18	16.4	765.55	30.058	....	35.5	32.5	.169	73 8	50	..	..	1.0	Overcast.
	19	15.8	765.20	30.046	....	35.	32.	.169	74.	20	..	..	.9	Hazy.
	20	15.	764.65	30.029	....	35.	32.	.169	75.	20	..	..	.8	Ci-s.
	21	15.3	764.40	30.018	....	34.6	32.	.173	77.1	20	..	..	1.0	Cu. ?
	22	15.5	764.40	30.016	....	33.5	31.5	.176	79.1	340	..	..	.7	Cu., ? Ci.
	23	15.5	763.95	29.998	....	32.	30.5	.174	82.	340	..	..	.7	Ci.

Observed dew point: 9*h*., 26°.5; 15*h*., 26°.5.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
22	0	18.8	744.00	29.199	....	40.	39.3	.250	91.	125	.2	.03	1.0	N., raining.
	1	18.3	744.10	29.206	....	41.1	39.9	.250	89.	130	2.2	..	1.0	N., raining.
	2	17.8	744.55	29.226	....	41.2	39.5	.241	87.	130	3.5	..	1.0	N.
	3	17.7	745.20	29.251	....	41.5	39.	.227	83.	105	2.5	..	1.0	Cu.
	4	17.4	745.50	29.265	....	41.3	38.3	.215	80.	115	1.5	..	1.0	Cu., Ci-cu.
	5	17.3	747.20	29.332	....	40.	37.3	.210	80.7	100	.8	..	.7	Ci cu.
	6	17.	748.00	29.366	....	39.	37.	.216	82.	70	.4	..	.3	Ci-cu.
	7	17.	748 65	29.392	....	40.	38.	.224	82.	80	..	..	.7	Ci-s.
	8	15.8	749.30	29.422	....	40.	37.9	.222	83.5	30	.1	..	1.0	Ci-s., Cu.
	9	15.6	749.40	29.427	....	41.	39.	.233	83.	40	.1	..	1.0	Ci., Ci s., Ci-cu.
	10	15.5	749.60	29.435	....	43.	39.3	.217	75.	50	.1	..	1.0	Ci., Ci-s., Ci-cu.
	11	15.1	749.20	29.422	....	43.4	39.7	.221	77.	45	.1	..	1.0	Ci., Ci s., Ci cu.
	12	16.6	748.75	29 397	....	42.9	37.5	.182	70.	105	.6	..	1.0	Ci-s., Cu.
	*13	17.	750.00	29.445	....	38.9	34.	.159	69.	115	1.5	..	1.0	Ci s., Cu.
	14	16.5	750.50	29.467	....	37.5	33.4	.164	09.2	120	.5	..	1.0	Ci-s , Cu.
	15	15.4	751.20	29.500	....	36.5	31.	.137	61.	100	1.2	..	1.0	Ci-s., Cu.
	16	16.	751.75	29.417	....	35.9	30.9	.133	64.	95	.3	..	1.0	Ci-s., Cu.
	17	16.	752.55	29.549	....	34.	30.	.146	63.2	90	.7	..	1.0	Ci s., Cu.
	18	15.1	754.10	29.615	....	30.	26.	.121	63.	90	2.0	..	1.0	N.
	19	15.	754.80	29.643	....	29.	24.9	.113	60.	120	1.7	..	1.0	N.
	20	15.	755.25	29.660	....	28.5	25.5	.128	60.5	125	.5	..	1.0	N.
	21	14.4	755.70	29.680	....	27.5	23.5	.107	60.	120	.2	..	1.0	Overcast.
	22	13.6	756.70	29.721	....	24.3	20.5	.094	59.5	105	1.0	..	1.0	Cu , Ci s.
	23	12.7	757.10	29.744	....	22.5	18.5	.082	59.	125	3.7	..	1.0	Ci-s.

* Fifteen minutes late.

Observed dew point: 21*h.*, 15°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
21	0	12.9	769.95	30.248	13.4	16.3	14.2	.083	65.8	125	..	..	..	Clear.
	1	13.	770.75	30.278	13.1	16.	14.	.084	66.	130	..	..	..	Clear.
	2	13.4	771.55	30.308	14.	16.	13.9	.082	66.	135	..	..	..	Clear.
	3	12.2	771.55	30.313	12.3	16.	14.	.084	66.	135	..	..	..	Clear.
	4	13.	772.00	30.327	11.7	15.8	14.	.086	66.	135	..	..	..	Clear.
	5	14.	772.45	30.339	11.2	15.5	14.	.089	67.	130	..	..	..	Clear.
	6	12.8	773.60	30.392	11.	15.	14.	.094	69.	130	..	..	..	Clear.
	7	11.	774.00	30.415	....	15.	13.8	.091	68.	130	..	..	..	Clear.
	8	10.	774.60	30.444	....	16.	14.8	.095	69.8	130	..	..	..	Clear.
	9	10.5	775.50	30.478	....	18.	15.7	.086	68.	150	..	..	..	Light Ci.
	10	11.4	776.00	30.493	....	20.5	17.7	.090	66.	175	..	..	.1	Light Ci.
	11	13.5	776.15	30.488	....	22.7	19.8	.098	65.	250	..	..	.1	Light Ci.
	12	15.	776.05	30.477	....	23.7	20.8	.103	64.	270	..	..	.1	Light Ci.
	13	16.3	775.90	30.465	....	25.6	22.3	.107	63.5	290	..	..	.1	Light Ci.
	14	17.1	776.25	30.476	....	27.2	23.7	.112	63.	0	..	..	.2	Light Ci.
	15	16.9	776.40	30.482	....	26.3	23.4	.116	62.	15	..	..	.8	Ci-s., light Ci.
	16	16.1	776 55	30.491	....	26.2	22.7	.107	63.	25	..	..	.9	Ci-s., light Ci.
	17	17.	777.00	30.505	....	25.	22.2	.111	64.5	30	..	..	1.0	Ci s., ? light Ci. ?
	18	17.9	776.95	30.498	....	25.	22.2	.111	64.	30	..	..	.1	Light Ci. ?
	19	18 7	777.10	30.500	....	23.9	22.	.120	67.	30	..	..	.1	Light Ci.
	20	18.4	777.35	30.511	....	22.1	20.7	.119	69.	30	..	..	..	Clear.
	21	18.8	777.35	30.509	....	21.5	20.1	.116	70.5	30	..	..	..	Clear.
	22	18.	776.85	30.494	16.8	22.7	21.	.117	73.	30	..	..	.1	Ci.
	23	....	.....	*30.480	....	*23.5	....	*.118	*75.	0	..	..	..	

* Supplied.

Observed dew point: 9*h*., 7°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
27	0	20.3	772.75	30.321	28.	33.9	31.6	.173	78.	105	..	..	..	Clear.
	1	20.	772.75	30.322	24.5	32.9	30.5	.165	78.	105	..	..	..	Clear.
	2	19.	772.70	30.326	21.5	30.	28.5	.161	83.	105	..	..	.1	Ci-s.
	3	17.7	772.60	30.327	....	31.5	29.8	.167	83.	105	..	..	1.0	Ci s., Cu.
	4	17.7	772.75	30.333	....	32.7	30.7	.170	81.5	130	..	..	1.0	Ci-s., Cu.
	5	17.7	772.90	30.339	....	33.1	30.8	.167	80.	140	..	..	1.0	Ci-s., Cu.
	6	17.7	773.15	30.349	....	33.5	31.	.166	79.	140	..	..	1.0	Ci-s., Cu.
	7	17.7	773.25	30.353	....	33.5	31.1	.168	79.	140	..	..	1.0	Ci s.
	8	17.7	773.30	30.355	....	33.5	30.7	.161	78.7	135	..	..	1.0	Ci-s.
	9	17.	773.35	30.362	....	34.5	31.	.156	77.	135	..	..	1.0	Ci-s.
	10	16.7	773.30	30.361	....	35.5	31.5	.155	74.2	135	.2	..	1.0	Ci-s.
	11	17.	772.65	30.334	....	35.6	31.6	.155	73.5	140	.2	..	1.0	Ci s.
	12	17.	771.85	30.303	....	35.6	31.6	.155	73.7	130	.3	..	1.0	Ci-s.
	13	17.	771.10	30.273	....	35.6	31.5	.153	73.	140	.7	..	1.0	Ci-s.
	14	17.2	770.75	30.258	....	36.	32.	.153	72.5	135	.8	..	.9	Ci., Ci s., *NNW.*
	15	17.5	770.90	30.262	....	35.7	32.5	.166	72.	130	.6	..	.9	Ci., Ci s., *NNW.*
	16	17.3	770.75	30.258	....	35.	31.9	.168	73.	130	.3	..	.4	Ci., Ci s., *NNW.*
	17	16.5	770.75	30.262	....	33.	30.	.156	74.	130	.1	..	.1	Ci., Ci s.
	18	16.8	771.05	30.272	....	32.5	30.5	.169	76.	130	..	..	..	Clear.
	19	16.8	770.80	30.262	....	31.5	29.5	.162	77.2	115	..	..	..	Clear.
	20	16.7	770.90	30.266	....	31.4	28.5	.147	76.5	115	..	..	..	Clear.
	21	17.	771.25	30.279	....	31.5	28.5	.146	76.3	155	..	..	..	Clear.
	22	17.3	771.45	30.285	....	31.	28.7	.154	77.5	135	..	..	..	Clear.
	23	16.7	771.50	30.290	31.	31.	28.	.143	76.8	145	..	..	..	Clear.

Observed dew point: 3*h*., 27°; 15*h*., 23°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
29	0	18.6	771.00	30.262	....	25.5	23.5	.127	67.6	260	..	..	1.0	Ci-s.
	1	18.	771.55	30.285	....	25.3	22.8	.118	69.3	250	..	..	1.0	Ci s.
	2	17.8	771.40	30.280	....	24.6	22.5	.121	69.5	240	..	..	1.0	Ci s.
	3	17.4	770.20	30.234	....	25.5	24.	.134	71.	240	.2	..	1.0	Ci-s. ?
	4	16.8	769.60	30.213	....	25.5	24.	.134	71.5	240	..	..	1.0	Ci s.
	5	15.5	768.75	30.187	....	25.5	24.3	.139	72.	230	..	..	1.0	Ci s.
	6	13.3	767.40	30.144	....	25.5	24.5	.142	73.	230	..	..	1.0	Ci-s.
	7	13.	766.45	30.109	....	26.	25.2	.148	74.	240	..	..	1.0	Ci-s.
	8	13.	766.30	30.103	....	25.5	24.7	.145	75.5	250	..	..	1.0	Ci s.
	9	13.2	765.65	30.076	....	28.5	27.	.152	78.5	245	.2	..	1.0	Ci-s., N., snowing.
	10	14.5	765.10	30.049	....	30.	28.5	.161	81.	245	..	..	1.0	Ci-s., N.
	11	15.2	764.00	30.002	....	32.5	30.5	.167	80.7	260	.1	..	1.0	Ci-s., N., snowing.
	12	15.6	762.40	29.937	....	34.7	33.6	.199	90.	280	.2	..	1.0	N., snowing.
	13	16.9	761.00	29.876	....	34.3	33.7	.205	91.	270	.1	..	1.0	N., snowing.
	14	17.1	759.80	29.828	....	34.4	33.9	.207	92.5	265	.1	..	1.0	N., raining.
	15	16.9	758.20	29.766	....	35.	34.5	.212	92.5	260	.3	.01	1.0	N., snowing and raining.
	16	16.1	757.00	29.723	....	35.4	34.9	.215	92.3	248	.4	.03	1.0	N., snowing and raining.
	17	15.3	755.40	29.664	....	35.5	35.	.216	92.3	250	.3	.08	1.0	N., snowing and raining.
	18	15.1	753.25	29.582	....	35.8	35.5	.223	94.	230	.8	.10	1.0	N., raining.
	*19	15.8	752.15	29.535	....	36.2	35.9	.226	92.2	215	1.5	.11	1.0	N., raining.
	20	16.8	751.75	29.515	....	34.	33.5	.204	92.	215	.8	.23	1.0	N., raining.
	21	18.3	750.55	29.460	....	34.	33.7	.209	92.	215	.7	.11	1.0	N., raining.
	22	18.3	748.45	29.377	....	34.2	33.5	.202	91.	160	3.5	.07	1.0	N., raining.
	23	16.6	748.60	29.391	....	33.5	33.	.201	91.2	160	3.5	.02	1.0	N., raining.

* Fifteen minutes late.

Observed dew point: 3*h*., 20°.5; 9*h*., 21°.5; 15*h*., 33°.5; 21*h*., 33°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
30	0	16.4	748.00	29.368	....	32.5	31.5	.186	91.	160	.7	.02	1.0	N., raining.
	1	18.1	748.25	29.370	....	30.	29.5	.177	91.	150	1.2	..	1.0	N., raining.
	2	18.	749.00	29.399	....	28.	27.5	.165	88.5	140	.7	..	1.0	N., raining.
	3	18.4	748.55	29.381	....	27.	26.	.151	87.	130	.8	..	1.0	N.
	4	17.	748.15	29.372	....	27.3	26.	.148	86.	125	.8	..	1.0	N.
	5	14.3	747.70	29.366	....	27.7	26.3	.149	85.6	115	.4	..	.4	Cu.
	6	12.8	747.10	29.350	....	28.	27.	.157	85.	105	..	..	..	Clear.
	7	12.	747.00	29.349	....	28.5	27.8	.165	88.	75	..	..	..	Clear.
	8	13.3	747.35	29.357	....	28.7	28.	.167	88.	65	..	..	1.0	Cu., Ci-cu.
	9	14.	747.80	29.372	....	30.6	29.5	.171	88.	70	..	..	1.0	Cu., Ci-cu.
	10	14.8	748.25	29.386	....	33.	31.5	.181	86.	60	..	..	.9	Cu., Ci-cu.
	11	15.	748.00	29.375	....	35.	33.	.185	82.	70	..	..	.2	Ci-cu. in Hor.
	12	10.2	747.20	29.366	....	36.7	33.6	.177	77.3	70	.3	.02	.9	Ci., Ci-cu., *NW.*
	13	11.7	747.70	29.365	....	37.7	34.5	.183	76.5	70	.2	.01	.7	Ci., Cu., Ci-cu., *NW.*
	14	15.7	748.10	29.368	....	37.7	34.5	.183	76.	70	.3	..	.2	Ci , Ci-cu. in Hor.
	15	15.3	748.50	29.394	....	37.5	34.5	.185	77.5	60	.3	..	.5	Ci., Ci-cu.
	16	15.	748.90	29.411	....	36.4	33.7	.182	78.2	60	..	..	.9	Ci., Ci-cu.
	17	14.5	749.15	29.422	....	36.	34.5	.202	79.	60	..	..	.7	Ci., Ci-cu.
	18	14.7	749.80	29.447	....	35.5	34.5	.207	80.	50	..	..	1.0	N., Ci-s.
	19	16.9	751.00	29.484	....	35.5	32.5	.170	79.5	100	..	..	1.0	N., snowing.
	20	17.1	751.35	29.498	....	34.3	31.	.159	74.	105	.8	..	1.0	N.
	21	16.3	751.75	29.516	....	32.5	30.	.161	75.	100	1.2	..	1.0	N.
	22	18.6	753.35	29.569	....	31.5	29.8	.167	75.2	90	1.0	..	1.0	N.
	23	17.5	752.55	29.513	....	30.6	29.1	.165	74.3	110	1.5	..	1.0	N.

Observed dew point: 9*h.*, 27°; 15*h.*, 32°; 21*h.*, 23°.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Radiation.	Dry.	Wet.			Dir., degrees.	Force, lbs.			
31	0	18.	752.65	29.544	....	29.7	28.5	.164	72.	120	2.0	..	.9	Ci-s.
	1	16.7	753.15	29.570	....	28.	26.6	.150	73.5	115	2.0	..	.3	Ci-s.
	2	16.5	754.20	29.613	....	27.5	26.2	.149	74.5	100	2.0	..	..	Clear.
	3	16.2	754.55	29.627	....	28.2	27.2	.158	72.5	100	2.0	..	.2	Ci-s.
	4	16.7	754.70	29.632	....	28.	26.	.141	70.6	130	2.0	..	.6	Ci-s.
	5	16.2	755.05	29.647	....	27.5	25.5	.130	70.	110	2.0	..	1.0	?
	6	15.7	756.25	29.697	....	26.	24.	.129	70.	100	1.0	..	1.0	Ci-cu.
	7	15.5	757.00	29.727	....	25.5	23.	.118	70.	100	.7	..	1.0	Ci-cu.
	8	14.5	757.65	29.758	....	26.5	24.	.124	70.	100	.6	..	1.0	Ci cu., Cu.
	9	14.	758.45	29.790	....	27.	24.	.119	69.	125	.7	..	1.0	Ci cu., Cu.
	10	13.7	759.00	29.813	....	26.1	22.6	.107	67.5	125	1.2	..	.6	Ci-cu., Cu.
	11	13.4	759.00	29.814	....	27.	23.4	.110	67.	125	2.5	..	.3	Ci-cu., Cu.
	12	13.2	758.60	29.799	....	28.	24.5	.117	68.	120	2.5	..	.2	Ci cu., Cu.
	13	13.2	758.70	29.803	....	28.6	25.5	.127	67.5	140	2.7	..	.1	Cu.
	14	12.7	758.90	29.814	....	28.5	24.5	.112	65.	125	2.7	..	.1	Cu.
	15	12.3	759.50	29.840	....	28.5	24.2	.108	64.	125	3.2	..	.1	Cu.
	16	14.5	760.30	29.861	....	28.	24.5	.117	64.	115	2.0	..	..	Cu. at Hor.
	17	14.3	761.10	29.893	....	26.5	23.5	.117	65.8	110	.8	..	.2	Cu. at Hor.
	18	15.7	762.05	29.923	....	26.5	25.	.140	68.	80	..	..	..	Cu. at Hor.
	19	16.4	762.75	29.948	....	25.	22.5	.116	68.	110	..	..	..	Cu. at Hor.
	20	16.2	763.15	29.964	....	24.	22.	.119	68.	110	..	..	..	Clear.
	21	15.8	763.50	29.979	....	23.	20.9	.113	68.	110	..	..	..	A few Cu.
	22	14.1	764.00	30.008	....	21.7	20.5	.120	68.5	105	..	..	..	Clear.
	23	....	.....	.....	....	....	....	....	....	100	..	..	..	

GENERAL NOTES.

At the close of 1842 it was found necessary to discontinue the full series of observations; but, as it was hoped they might be resumed at no very distant date, it was determined to observe the instruments, once each day, that the continuity of the series might not be broken. The observations thus taken in January, February, and March, 1843, are recorded in the first three pages.

On the 1st of April the regular observations were resumed, under the direction of the Bureau of Topographical Engineers of the War Department, and were continued until June, 1845.

The instruments, times of observation, and modes of recording, are as already described.

The correction for temperature, applied to the observations of the horizontal force magnetometer, is, during this year, from 2.4 to 2.2 divisions of the scale for 1° Fahrenheit. The correction applied to the vertical force observations is the same as heretofore.

Beginning with October, the regular observations were taken every hour, instead of every two hours.

On the 15th of April the instruments were carefully examined, and their positions verified. The horizontal and vertical force instruments were found to be in adjustment. The declinometer was out of level and position. The correction to reduce the readings in the position in which the instrument was found to the true readings was + 1.66.

The order of the results of the magnetometers, in the following tables, has been made to coincide with the times of observation.

	Vertical force.		Declination.	Horizontal force.	
Göttingen time.....	*h.* *m.* 19 57½	Temperature Fahrenheit.	*h.* *m.* 20 00	*h.* *m.* 20 02½	Temperature Fahrenheit.
Observatory time	14 17		14 19½	14 22	
Feb. 1.....	*718.3	65.9	558.9	792.3	58.7
2.....	534.5	52.8	556.9	757.	45.8
3.....	710.5	65.5	556.5	788.9	57.8
4.....	713.2	65.9	558.7	779.3	60.5
6.....	583.	55.	550.7	785.4	48.2
7.....	487.	47.9	554.9	767.4	41.5
8.....	473.5	47.	559.5	763.4	41.
9.....	526.2	51.8	556.6	781.2	46.3
10.....	560.9	53.4	557.9	798.2	48.5
11.....	704.1	65.2	557.9	815.9	60.5
13.....	637.8	60.2	555.5	795.1	54.6
14.....	492.	48.7	553.6	808.2	44.2
15.....	561.9	54.3	556.1	806.1	49.6
16.....	535.1	51.9	550.5	800.2	45.8
17.....	303.5	33.	552.8	762.5	31.3
18.....	573.	56.	536.8	801.6	49.8
20.....	489.6	49.3	557.7	808.1	46.8
21.....	831.2	76.1	554.6	829.	65.3
22.....	893 4	82.7	556.3	847.3	73.3
23.....	326.1	34.9	556.4	787.7	36.1
24.....	734.7	69 6	553.4	869.	62.5
25.....	794.2	74.5	557.	849.	66.4
27.....	482.4	49.4	556.5	814.7	47.3
28.....	766.9	71.	556.9	854.8	64.1
Means.....	601.4	57.6	555.9	802.6	51.9
Reduced to 32° Fah.....	255.8			754.8	

* Seven minutes and a half late.

Göttingen time Observatory time	*h. m.* 6 00 0 19½	*h. m.* 8 00 2 19½	*h. m.* 10 00 4 19½	*h. m.* 12 00 6 19½	*h. m.* 14 00 8 19½	*h. m.* 16 00 10 19½	*h. m.* 18 00 12 19½	*h. m.* 20 00 14 19½	*h. m.* 22 00 16 19½	*h. m.* 0 00 18 19½	*h. m.* 2 00 20 19½	*h. m.* 4 00 22 19½	Means.
April 1	568.4	570.6	570.6	574 4	581.	575.7	560.4	555.	561.1	567.6	570.5	570.5	568.8
3	573.9	568.6	571.2	572.6	575.2	570.8	554.8	552.9	557.5	564.3	574.5	567.2	567.
4	567.	568.3	567.5	571.2	575.7	572 7	562.8	558.4	561.2	567.5	568.1	569.3	567.5
5	569.6	574.6	567.9	577.5	582.4	570.6	557.1	544.7	537.7	544.3	580.4	578.1	565.4
6	*579.2	*580.4	*582.7	587.4	577.8	565.9	555.5	556.1	559.	557.2	605.5	571.8	573.4
7	571.1	571.9	572.5	574.	578.1	*567.4	559.	553.9	560.3	560.9	563.2	580.	567.7
8	574.9	574.4	569.1	573.5	572.7	561.6	550.2	551.1	565.5	574.9	569.2	572.5	567.5
10	576.9	580.	580.	579.1	577.5	567.3	558.7	562.4	564.6	568.4	570.9	566.6	571.
11	566.1	569.	572.1	574.1	571.8	559.4	558 5	556.	561.2	562.2	564.6	566.7	565.1
12	562.9	565.7	572.8	573.1	570.9	562.6	545.3	543.	560.3	564.2	572.2	572.8	563.8
13	563.5	568.8	571.	572.1	573.3	562.	549.3	553.4	560.6	564.3	567.	564.	564.1
14	573.5	567.6	570.9	574.7	572.8	567.5	549.	549.	561.	571.9	564.2	566.	565.7
15	567.2	561.5	566.2	571.9	576.7	560.5	549.6	555.9	564.1	583.6	576.	573.6	567.2
17	569.	569.9	572.6	576.2	579.2	570.	561.3	559.3	561.6	563.1	564.7	571.6	568.2
18	576.2	571.2	575.9	573.1	578.5	571.3	560.1	558.6	556.3	566.	567.9	566.8	568.3
19	570.6	570.	569.1	575.4	577.	571.3	562.7	563.6	565.4	566.4	567.	571.4	569.1
20	568.3	569.7	570.	575.5	574.7	566.3	561.6	566.3	566.6	567.2	567.9	570.4	569.
21	569.6	569.6	570.7	575.9	578.3	569.2	562.6	561.3	565.5	567.5	568.	569.4	569.
22	570.2	570.2	570.4	573.1	572.2	565 6	565.	566.7	565.4	567.4	568.5	567.4	568.6
24	567.9	569.2	571.8	577.	576.	*567.6	559.3	560.2	566.9	569.	566.	567.3	568.2
25	567.6	570.4	572.2	576.6	576.2	565.9	561.7	562.3	566.4	568.7	570.	567.6	568.8
26	573.5	569.4	571.4	574.2	574.7	562.9	554.8	555.2	563.6	569.8	569.5	566.9	567.2
27	569.4	569.3	572.6	574.3	575 9	562.1	553.4	554.2	561.7	565.2	567.9	568.1	566.2
28	567.9	571.	572.8	576.2	578.3	561.4	555.5	558.4	564.7	567.3	567.2	567.7	567.4
29	567.3	568.5	571.5	578.1	578.6	566.1	554.	553.1	562.8	567.5	567.3	564.6	566.6
Means	570.1	570.4	571.9	575.2	576.2	566.6	557.	556.4	561.6	564.7	570.3	569.5	567.6

* Supplied.

Göttingen time Observatory time	*h. m.* 6 02 0 21½	*h. m.* 8 02 2 21½	*h. m.* 10 02 4 21½	*h. m.* 12 02 6 21½	*h. m.* 14 02 8 21½	*h. m.* 16 02 10 21½	*h. m.* 18 02 12 21½	*h. m.* 20 02 14 21½	*h. m.* 22 02 16 21½	*h. m.* 0 02 18 21½	*h. m.* 2 02 20 21½	*h. m.* 4 02 22 21½	Means.
April 1	66.4	65.5	65.7	65.7	63.8	63.	63.4	63.2	59.7	59.4	61.3	60.9	63.2
3	60.4	59.4	59.	59.8	59.7	61.6	61.7	63.3	65.5	67.8	66.2	64.6	62.4
4	64.4	64.2	64.4	64.3	64.4	64.3	62.4	61.5	61.5	63.6	62.2	60.1	63.1
5	59.2	60.4	61.5	62.6	61.6	61.6	61.3	61.5	59.6	59.2	60.2	62.4	60.9
6	*62.	*62.2	*62.8	63.4	62.8	64.5	66.1	65.5	65.6	65.8	65.8	63.8	64.2
7	61.5	62.5	64.4	66.3	66.4	65.8	63.6	63.3	64.5	66.6	65.8	64.5	64.6
8	64.3	65.	66.6	67.6	66.7	63.1	62.1	66.3	70.3	70.6	69.5	70.6	66.9
10	65.2	62.6	61.6	60.3	60.4	61.9	63.2	64.9	64.7	62.7	62.1	62.9	62.7
11	63.	63.6	61.5	61.6	63.4	64.7	65.1	64.2	63.8	66.3	70.2	70.5	64.8
12	69.3	67.4	65.7	65.4	67.8	72.6	74.5	75.6	75.5	74.	72.6	71.	70.9
13	69.1	68.	69.6	70.8	70.5	68.9	69.6	70.	69.5	69.3	68.3	68.4	69.3
14	69.8	69.4	68.2	67.4	66.4	67.4	68.9	69.2	70.2	70.5	69.8	68.7	68.8
15	68.4	69.2	70.8	72.7	72.3	72.4	73.5	71.4	73.4	72.6	71.8	72.	72.
17	74.2	71.7	69.3	67.7	66.5	66.5	67.	67.2	66.	63.8	62.1	66.2	67.3
18	66.4	66.9	67.5	67.	66.4	63.9	62.6	69.3	65.6	66.5	64.2	63.8	65.8
19	64.5	64.2	63.8	64.3	64.4	64.1	63.2	68.9	64.6	66.4	66.2	66.8	65.1
20	66.8	67.8	68.7	67.7	66.3	67.6	69.	70.5	72.2	71.6	71.3	70.3	69.1
21	68.3	65.9	64.8	64.4	64.4	68.2	70.9	73.	74.8	76.6	74.4	71.6	69.8
22	69.2	67.9	66.8	67.6	67.9	69.2	72.	74.2	75.9	75.7	73.8	72.8	71.1
24	65.2	64.6	65.5	67.8	70.6	71.4	72.6	73.4	73.8	73.2	72.6	79.	70.8
25	72.7	71.8	70.8	70.	70.2	71.1	72.3	73.4	74.7	75.7	74.2	72.6	72.5
26	70.4	68.	68.8	64.3	63.3	63.	63.4	64.7	66.	71.	75.8	76.2	67.9
27	74.4	72.8	71.9	70.8	70.8	72.9	74.5	76.	77.6	76.3	72.7	69.4	73.3
28	71.5	71.	69.6	68.3	67.9	68.1	68.5	69.5	70.7	72.4	71.	69.6	69.8
29	67.8	66.3	64.7	63.3	63.8	65.2	68.	70.2	72.2	72.3	69.7	66.8	67.5
Means	67.	66.4	66.2	66.	65.9	66.5	67.2	68.5	68.7	69.2	68.5	68.2	67.4

* Supplied.

Correction for temperature, 2.3 divisions of the scale for 1° Fahrenheit.

Göttingen time Observatory time	*h. m.* 6 04 0 23½	*h. m.* 8 04 2 23½	*h. m.* 10 04 4 23½	*h. m.* 12 04 6 23½	*h. m.* 14 04 8 23½	*h. m.* 16 04 10 23½	*h. m.* 18 04 12 23½	*h. m.* 20 04 14 23½	*h. m.* 22 04 16 23½	*h. m.* 0 04 18 23½	*h. m.* 2 04 20 23½	*h. m.* 4 04 22 23½	Means.
April 1	73.6	72.6	73.3	73.4	70.3	69.4	69.8	68.6	64.3	65.5	68.4	67.9	69.8
3	65.4	63.6	62.8	63.7	63.6	66.8	66.	*68.6	70.3	71.7	70.4	69.6	66.8
4	70.6	70.	70.6	70.	70.6	69.8	67.	65.4	65.4	68.3	66.7	64.3	68.3
5	64.2	66.4	68.2	69.	67.4	67.6	66.8	66.2	63.8	63.8	65.8	69.	66.5
6	*68.9	*68.8	*69.	69.3	66.8	71.1	71.5	71.5	70.5	71.	70.5	68.	69.9
7	66.3	68.9	70.1	73.8	73.7	*71.3	68.6	69.2	69.8	71.9	70.1	69.	70.2
8	69.4	71.5	74.	74.3	71.5	66.4	65.8	72.2	74.9	74.5	73.3	75.8	72.
10	72.2	68.6	68.	67.	66.4	68.5	70.7	72.8	70.4	67.2	67.	69.3	69.
11	70.2	71.	68.2	68.	70.6	71.8	70.5	68.4	67.	70.5	75.4	*75.1	70.3
12	74.4	72.	70.8	70.7	74.3	79.	79.9	79.5	78.6	77.	†75.6	74.2	75.5
13	72.1	71.5	71.	75.8	74.6	72.8	73.8	73.1	72.3	72.3	71.2	71.8	73.4
14	73.7	73.2	71.7	*70.8	69.7	71.5	72.9	72.6	73.1	73.3	72.2	70.9	72.2
15	70.3	70.9	73.3	76.2	76.	76.3	77.6	77.3	75.7	74.6	73.8	74.3	74.7
17	76.2	73.4	71.	69.2	68.2	68.5	68.7	68.4	67.2	64.9	64.7	70.3	69.2
18	70.5	*71.4	72.5	71.8	71.2	68.1	67.	63.8	71.6	72.	68.2	68.8	69.7
19	70.	69.5	69.2	69.8	70.2	69.2	68.4	69.4	70.	71.3	71.4	71.7	70.
20	72.1	73.6	74.3	72.3	70.2	72.	73.7	76.3	76.4	75.	74.3	73.2	73.6
21	71.3	69.	68.3	67.8	68.2	71.9	74.8	79.1	78.4	79.	76.3	73.6	73.1
22	71.4	70.7	70.	71.	70.7	72.7	75.5	76.8	77.9	77.5	75.4	75.5	73.8
24	66.5	66.3	68.2	71.3	73.8	*74.7	75.3	76.9	75.2	74.8	74.2	75.3	72.7
25	75.5	74.6	73.8	72.9	73.8	73.7	74.9	75.4	76.	76.9	75.3	73.7	74.7
26	71.6	69.3	67.1	65.4	64.8	64.5	65.1	66.9	67.4	74.	79.	78.8	69.5
27	76.7	74.9	74.1	73.	74.	76.3	73.	80.	80.2	78.7	74.9	72.8	75.7
28	76.4	76.4	74.5	72.6	71.7	71.8	71.9	72.5	72.9	73.9	72.	70.8	73.1
29	69.	67.6	66.	64.6	64.6	67.2	69.7	71.8	73.1	72.7	70.2	67.8	68.7
Means	71.1	70.7	70.5	70.5	70.3	70.9	71.2	72.2	72.1	72.5	71.7	71.6	71.3

* Supplied. † Six minutes late.

TRIPLE OBSERVATIONS.

APRIL.]

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
April 1.....	580.3	581.	580.6	855.4	856.4	857.3	63.8	793.2	791.	787.7	70.3
3.....	576.2	575.2	574.2	843.8	844.7	845.1	59.7	657.3	657.	657.2	63.6
4.....	575.4	575.7	576.1	842.6	842.6	843.1	64.4	763.7	764.4	765.6	70.6
5.....	581.5	582.4	580.2	850.1	855.1	856.	61.6	748.2	747.1	745.	67.4
6.....	579.6	577.8	575.	911.1	907.3	906.5	62.8	745.8	743.5	742.3	66.8
7.....	580.1	578.1	576.3	875.2	873.	873.5	66.4	819.9	819.4	818.8	73.7
8.....	571.6	572.7	573.1	881.8	882.2	*887.6	66.7	815.7	813.1	811.	71.5
10.....	576.4	577.5	577.6	858.3	858.8	860.3	60.4	706.4	707.	707.5	66.4
11.....	571.2	571.8	570.5	851.	851.6	851.7	63.4	754.8	757.8	759.8	70.6
12.....	572.6	570.9	571.6	867.8	871.6	872.7	67.8	791.8	793 9	795.7	74.3
13.....	573.	573,3	572.9	895.	897.	897 8	70.5	833.4	832.8	832.5	74.6
14.....	574.	572.8	573 3	896.9	897.6	897.2	66.4	757.7	757.	756.6	69.7
15.....	577.1	576.7	576.8	888 9	889.4	891.4	72.3	816.1	816.	816.	76.
17.....	578.7	579.2	578.6	887.6	889.2	891.2	66.5	702.4	701.8	700.4	68.2
18.....	577.8	578.5	575.9	863.3	862.7	864.6	66.4	774.5	773.9	773 1	71.2
19.....	575.8	577.	574.7	854.6	855.5	*856.5	64.4	746.3	745.3	*744.5	70.1
20.....	574.8	574.7	574.1	866.6	868.4	868.5	66.3	767.5	764.7	764.5	70.2
21.....	578.2	578.3	578.3	857.1	856.4	857.5	64.4	704.6	704.7	705.2	68.2
22.....	573.3	572.2	572.7	866.3	867.6	866.3	67.9	744.5	744.3	744.2	70.7
24.....	575.9	576.	575.4	873.8	872.8	873.2	70.6	772.3	773.7	775.2	73.8
25.....	576.6	576.2	575.7	875.1	876.	875.7	70.2	776.8	777.2	776.1	73.8
26.....	575.2	574.7	574.7	881.3	882.9	883.6	63.3	658.9	658.5	657.8	64.8
27.....	575.1	575.9	577.	881.2	883.6	889.8	70.8	786.7	787.5	788.1	74.
28.....	578.9	578.3	577.6	*878.4	878.	877.6	67.9	775.1	774.2	773.7	71.7
29.....	579.4	578.6	578.2	869.2	870.1	871.6	63.8	649.9	649.2	649.3	64.6

* Supplied.

Göttingen time / Observatory time	h. m. 6 00 / 0 19½	h. m. 8 00 / 2 19½	h. m. 10 00 / 4 19½	h. m. 12 00 / 6 19½	h. m. 14 00 / 8 19½	h. m. 16 00 / 10 19½	h. m. 18 00 / 12 19½	h. m. 20 00 / 14 19½	h. m. 22 00 / 16 19½	h. m. 0 00 / 18 19½	h. m. 2 00 / 20 19½	h. m. 4 00 / 22 19½	Means.
May 1	567.4	568.1	570.1	575.7	578.8	561.3	550.4	548.9	563.	566.	566.7	574.8	565.9
2	569.9	569.	571.6	578.2	581.8	572.7	¶564.7	557.6	562.2	567.9	567.9	567.6	569.3
3	568.7	570.1	568.4	575.9	574.6	561.5	••552.1	551.4	562.7	566.6	568.5	568.	565.9
4	569.	571.	573.	575.6	581.2	571.3	556.	553.9	559.5	566.	567.9	567.6	567.7
5	568.	567.9	‡568.	572.9	576.	569.	558.9	555.2	561.	564.2	566.6	568.8	566.7
*6	569.7	568.8	567.9	576.4	581.2	‡570.	560.1	553.2	*534.2	*536.7	*550.9	*582.	562.6
*8	†564.	567.	561.	570.8	574.2	566.	563.	561.1	563.	572.2	570.	567.7	566.7
*9	564.3	562.5	568.5	566.8	571.2	563.	556.3	555.	564.1	564.2	566.	566.2	564.
*10	570.	569.8	568.5	574.4	575.9	561.4	562.1	558.9	561.3	570.	567.	‡‡568.7	567.2
*11	569.	568.9	570.	574.1	570.8	565.6	557.2	557.1	561.1	563.1	567.1	566.2	565.9
*12	*564.	*565.8	*566.6	*566.5	*571.4	*566.9	*556.9	556.2	562.	569.	574.3	577.4	566.4
13	570.9	565.8	570.	575.4	571.5	561.1	555.9	556.8	560.5	564.2	563.7	565.7	565.
15	570.8	568.7	570.3	573.	580.	572.7	557.2	552.9	552.	561.9	566.	††573.	567.4
16	563.9	570.9	§563.2	572.9	575.7	560.5	556.1	553.9	558.6	564.5	568.6	567.1	564.4
17	571.	564.	‖567.5	572.	572.6	564.2	558.3	558.5	561.4	569.7	568.	567.9	566.1
18	566.1	567.	565.7	570.8	575.1	561.7	558.	560.	563.4	564.5	569.7	564.7	565.1
19	566.	564.3	568.7	571.	572.5	566.4	559.	557.	562.1	566.2	566.	568.9	565.7
20	564.4	566.8	567.9	575.8	578.5	570.2	¶562.	558.5	563.5	567.	565.8	565.6	567.2
22	565.8	566.2	569.4	576.6	572.6	565.7	552.9	557.3	561.	564.2	567.1	567.	565.5
23	566.7	570.1	570.5	572.8	568.3	556.6	551.9	557.1	563.6	564.1	563.	567.2	564.3
24	566.	566.	571.	577.7	573.7	561.	548.9	553.	562.5	567.1	564.6	563.8	564.5
25	563.9	566.4	568.8	574.4	576.5	562.9	548.9	555.7	564.9	566.3	565.4	564.8	564.9
26	564.7	566.7	568.7	584.4	584.3	568.9	555.3	554.5	557.3	568.	565.4	562.5	566.7
27	564.9	568.5	573.7	576.4	575.5	566.1	554.7	555.	564.3	566.2	576.	563.5	567.1
29	566.5	568.3	571.3	578.3	583.2	568.2	552.9	559.9	566.8	••567.7	568.4	568.4	568.3
30	577.3	560.9	571.8	578.8	577.1	568.6	558.7	559.4	563.9	568.8	567.1	570.6	568.6
31	567.7	567.4	569.6	578.	577.1	562.1	552.8	555.	563.	567.	566.5	567.5	566.1
Means	567.4	567.3	569.3	574.7	575.9	565.4	556.3	556.2	560.8	565.3	566.5	568.2	566.1

* See disturbance observations. † One minute late. ‡ Six minutes late. § Five minutes late. ‖ Seven minutes late. ¶ Two minutes late. •• Three minutes late. †† Registered 593. ‡‡ Supplied.

Göttingen time..... Observatory time.....	*h. m.* 6 02 0 21½	*h. m.* 8 02 2 21½	*h. m.* 10 02 4 21½	*h. m.* 12 02 6 21½	*h. m.* 14 02 8 21½	*h. m.* 16 02 10 21½	*h. m.* 18 02 12 21½	*h. m.* 20 02 14 21½	*h. m.* 22 02 16 21½	*h. m.* 0 02 18 21½	*h. m.* 2 02 20 21½	*h. m.* 4 02 22 21½	Means.
May 1.....	59.4	60.2	59.9	58.8	59.4	59.2	60.1	60.9	61.5	62.9	61.2	65.1	60.7
2.....	68.4	69.3	67.7	64.8	64.2	64.2	68.6	70.4	73.2	74.4	74.	73.6	69.4
3.....	72.	69.7	68.	66.5	64.8	66.7	69.1	70.3	72.2	72.	70.3	69.5	69.3
4.....	69.1	68.	64.8	62.8	63.3	65.5	68 9	71.3	72.7	73.9	72.8	70.6	68.6
5.....	68.2	66.7	66.3	65.5	64.8	65.2	66.3	70.2	72.2	73.	70.7	68.	68.1
6.....	66.	64.2	63.6	64.2	64.8	65.2	67.1	69.	69.2	69.1	67.6	*66.5	66.4
8.....	74.8	73.2	71.8	70.7	70.4	70.7	70.7	70.5	71.4	71.8	70.4	68.8	71.2
9.....	67.	65.7	64.	63.	62.7	63.5	64.7	66.	66.2	66.1	65.4	67.4	65.1
10.....	71.2	73.2	74.5	74.2	73.4	72.9	71.5	70.	68.2	67.2	67.8	67.7	70.9
11.....	67.2	66.2	65.7	65.2	64.3	64.4	64.8	64.8	65.	65.6	66.3	66.7	65.5
12.....	67.3	66.5	67.2	68.4	69.8	72.3	74.7	77.9	81.	81.	75.	74.2	72.9
13.....	73.8	72.2	*70.1	68.7	66.5	69.6	71.8	73.4	75.	75.5	74.6	73.2	73.5
15.....	72.5	71.6	70.5	69.8	70.5	71.9	73.9	75.8	77.9	79.8	79.3	78.3	74.4
16.....	77.	75.4	74.3	73.5	73.6	72.8	73.9	75.5	77.5	78.8	78.	76.	75.5
17.....	74.5	73.1	71.7	70.3	69.5	69.6	69.	68.2	67.	66.9	66.	64.6	69.2
18.....	67.6	60.9	59.8	58.5	57.6	57.9	58.9	60.1	61.8	62.9	62.4	61.5	60 8
19.....	60.3	58.8	60.2	63.8	64.4	66.9	71.5	76.3	74.7	75.8	75.9	72 9	68.5
20.....	71.4	70.1	70.3	69.3	70.6	71.9	75.	75.4	75.7	78.7	75.2	72.5	73.
22.....	67.6	66.	64.6	63 4	64.	65.9	68.4	70.3	71.	71.	70.5	C9.6	67.7
23.....	68.2	67.5	66.8	66.1	66.2	67.	68.8	70.6	72.3	74.	72.2	71.1	69.2
24.....	69.6	68.1	66.2	65.	65.	65 1	66.2	67.8	69.3	70.4	69.5	68.1	67.5
25.....	66.	64.3	62.5	61.3	61.6	62.6	64.4	65.9	68.6	71.9	70.	69.	65.7
26.....	67.1	65.4	64.5	69.	69.6	71.4	72.3	72.8	72.9	71.6	70.2	68.6	69.6
27.....	67.3	65.9	64.9	64.4	63.8	63.9	64.7	66.7	68.	66.9	66.1	65.3	65.7
29.....	63.	62.8	61.5	59.5	59.2	57.8	60.6	67.5	72.2	73.5	72.2	71.2	65.1
30.....	70.9	70.3	68.7	67.	67.8	69.3	71.	72.4	73.4	74.9	74.	72.4	71.
31.....	69.9	67.6	65.8	64.7	63.8	62.4	62.2	62.	62.	62.5	61.9	60.6	63.8
Means.....	68.8	67.5	66.5	65.9	65.8	66.5	68.1	69.7	70.9	71.5	70.4	69.4	68.4

* Supplied.

Göttingen time Observatory time	*h. m.* 6 04 0 23½	*h. m.* 8 04 2 23½	*h. m.* 10 04 4 23½	*h. m.* 12 04 6 23½	*h. m.* 14 04 8 23½	*h. m.* 16 04 10 23½	*h. m.* 18 04 12 23½	*h. m.* 20 04 14 23½	*h. m.* 22 04 16 23½	*h. m.* 0 04 18 23½	*h. m.* 2 04 20 23½	*h. m.* 4 04 22 23½	Means.
May 1	60.1	61.	60.6	59.5	59.7	60.1	61.6	63.6	63.	63.5	62.5	70.5	62.1
2	74.8	75.2	72.2	68.8	67.2	68.4	72.5	77.1	77.4	78.	77.8	77.2	73.9
3	75.1	72.7	71.3	69.4	68.1	70.8	73.7	75.3	77.2	75.	73.	73.2	72.9
4	73.4	71.8	68.	65.8	66.3	69.3	72.6	75.3	75.4	75.7	74.8	72.5	71.7
5	70.5	69.4	69.2	68.1	67.5	67.7	67.8	72.3	75.7	75.5	72.8	70 4	70.6
6	68.2	66.5	66.2	67.4	68.	68.7	70.6	73.1	71.2	*71.	68.9	67.5	69.
8	76.5	74.7	73.	71.8	71.8	72.1	71.9	72.	73.3	72.4	71.	70.	72.5
9	68.2	67.	65.5	64.5	64.5	65.4	67.	67.1	67.	66.8	66.1	69.	66.5
10	*73.4	77.8	78.8	78.7	77.7	76.4	74.4	73.	71.2	70.7	71.5	70.6	74.5
11	70.	69.5	69.1	68.8	67.5	67.2	67.4	67.2	67.3	67.5	68.2	69.2	68.2
12	70 5	69.1	70.5	72.1	73.5	75.7	78.7	82.	84.	84.4	76.2	76.	76.
13	75.8	74.2	72.5	70.7	70.1	*71.5	73.7	75.3	76.4	76.5	75.	74.	73.8
15	73.3	72.4	71.6	71.5	71.5	72.8	74.8	76.7	78.8	79.8	79.	78.6	75.
16	*77.8	76.	75.	74.4	74.6	74.	75.2	77.	78.5	79.	78.2	76.7	76.3
17	75.2	74.	72.8	71.4	71.	71.3	70.2	69.8	68.3	68.	*66.2	65.4	70.3
18	63.6	62.3	61 3	60.2	58.8	59.8	60.7	62.	62.	63.9	*62.6	62.3	61.6
19	61.1	61.	63.	67.1	68.	70.7	76.	80.8	79.	79.5	78.	75.6	71.6
20	74.	73.2	73.9	73.	74.4	76.6	79.3	80.2	80.4	80 2	*76.7	74.2	76.3
22	68.5	67.	65.7	64.8	65.4	67.3	69.4	71.	71.1	71.5	71.	70.	68.6
23	69.	67.5	66.8	66.1	66.8	67.	68.8	70.6	72.3	74.	72.2	71.1	69.3
24	70.7	69.4	67.8	66.5	66.2	66.3	68.	70.8	72.	71.4	70.	68.8	69.
25	67.1	65.4	63.8	62.7	63.2	63.6	66.3	69.2	69.9	71.3	70.1	69.3	66.8
26	67.7	66.2	66.4	72.1	73.3	74.	74.4	76.	73.8	72.7	71.1	69.8	71.4
27	68.5	67.1	66.3	65.9	65.3	65.7	66.6	68.4	69.	68.9	66.9	66.1	67.2
29	63.5	63.5	62.1	60.4	59.5	59.5	64.3	73.3	78.5	78.2	76.4	75.	67.8
30	75.	74.5	72.4	70.8	71.3	72.8	74.	75.4	75.9	76.8	75.1	73.5	74.
31	71.	68.8	66.8	66.3	65.2	64.8	64.7	64.4	63.7	64.1	62.6	62.	65.4
Means	70.4	69.5	68.6	68.1	68.	68.9	70.5	72.6	73.1	73.3	71.6	71.1	70.4

* Supplied.

Göttingen time Observatory time	*h. m.* 6 00 0 19½	*h. m.* 8 00 2 19½	*h. m.* 10 00 4 19½	*h. m.* 12 00 6 19½	*h. m.* 14 00 8 19½	*h. m.* 16 00 10 19½	*h. m.* 18 00 12 19½	*h. m.* 20 00 14 19½	*h. m.* 22 00 16 19½	*h. m.* 0 00 18 19½	*h. m.* 2 00 20 19½	*h. m.* 4 00 22 19½	Means.
1	568.8	567.6	†571.9	581.7	577.6	565.6	559.	561.	567.	570.2	567.	567.2	568.9
2	569.1	569.	571.	585.4	578.2	564.9	555.9	558.1	565.	568.8	565.2	564.	567.9
3	570.5	569.5	589.4	583.	580.2	562.1	557.4	556.6	562.5	565.5	569.	562.6	568.2
5	565.	559.5	567.1	571.5	571.1	558.1	555.4	555.1	556.4	564.7	560.7	563.5	561.9
6	562.8	563.8	567.1	568.8	569.1	562.2	552.6	555.	557.8	561.8	‖568.1	567.6	563.1
7	563.3	566.5	568.2	572.5	573.1	561.5	558.	555.1	566.4	564.1	564.7	573.7	565.5
8	562.9	570.	567.4	572.9	568.6	560.6	555.2	556.7	562.1	565.9	564.1	565.8	564.4
9	565.	567.5	568.4	574.2	569.6	563.9	558.7	558.	564.4	564.4	563.7	564.1	566.
10	566.8	574.2	575.2	577.5	574.2	565.4	559.	559.9	564.7	566.8	573.6	579.5	569.8
12	567.2	562.8	563.8	577.6	578.9	565.5	556 2	559.7	564.8	565.8	561.7	568.1	566.
13	559.1	566.3	566.4	567.9	570.	565.8	550.7	552.8	560.8	561.7	567.5	566.4	562.9
14	564.5	562.7	562.6	570.8	574.4	556.1	558.6	554.4	557.	561.1	561.7	562.5	562.2
15	569.2	567.	565.8	567.4	568.9	566.3	554.8	556.	556.5	560.2	561.5	562.	563.
16	563.1	563.2	565.	575.7	574.5	563.	558.1	557.4	563.1	565.4	562.6	562.4	564.5
17	563.9	564.5	567.7	573.9	571.8	561.9	556.8	558.5	560.7	562.7	562.3	563.	564.
19	564.5	565.5	565.4	571.8	572.5	568 6	559.5	553.8	556.9	562.4	565.7	566.7	564.4
20	564.9	566.2	567.7	576.1	574.	565.7	‡555.7	554.5	558.	562.3	562.3	566.3	564.5
21	565.1	562.5	566.9	574.1	576.1	565.5	554.7	550.8	557.2	561.5	561 6	566.	563.5
22	567.2	565.	570.7	572.4	574.	567.5	558.7	555.3	559.5	§562.6	560.9	572.8	565.5
23	570.1	565.6	569.1	573.1	573.8	564.8	551.6	552.2	559.9	562.4	566.8	565.	564.5
24	565.6	566.4	570.4	578.	579.9	570.4	558.2	553.	561.5	564.5	564.4	564.6	566.4
26	571.3	562.1	571.6	583.	584.9	570.6	555.9	555.2	557.	559.6	561.1	562.4	566.2
27	564.2	567.	571.7	576.7	574.2	565.4	558.5	557.	560.4	562.6	562.	564.7	565.4
28	569.1	567.3	569.	574.5	573.2	564.	556.8	557.8	563.	563.4	563.5	564.1	565.5
29	565.7	576.1	571.4	577.1	571.9	563.7	556.1	558.2	565.1	561.7	565.2	566.2	566.5
30	567.1	567.2	569.	576.	577.3	568.3	553.4	553.6	560.5	560.4	566.2	574.1	566.8
Means	566.	566.3	569.2	575.1	574.3	564.5	556.4	556.	561.1	564.3	564.4	565.9	565.3

* See disturbance observations. † Eight minutes late. ‡ One minute late. § Seven minutes late. ‖ Four minutes late.

Göttingen time Observatory time	*h. m.* 6 02 0 21½	*h. m.* 8 02 2 21½	*h. m.* 10 02 4 21½	*h. m.* 12 02 6 21½	*h. m.* 14 02 8 21½	*h. m.* 16 02 10 21½	*h. m.* 18 02 12 21½	*h. m.* 20 02 14 21½	*h. m.* 22 02 16 21½	*h. m.* 0 02 18 21½	*h. m.* 2 02 20 21½	*h. m.* 4 02 22 21½	Means.
June 1	62.	66.3	67.	66.6	62.3	67.7	67.5	66.9	69.3	70.6	69.3	69.5	67.1
2	69.2	67.	64.8	63.4	62.9	65.2	69.2	73.1	73.2	*73.6	72.2	67.6	68.5
3	65.6	64.8	68.4	71.7	73.	77.9	79.2	79.2	77.7	76.4	74.6	73.6	73.5
5	75.8	75.5	74.9	74.6	74.8	75.7	77.8	80.4	82.6	83.9	82.4	81.3	78.3
6	79.3	77.4	75.8	74.5	73.9	73.7	74.1	74.6	75.9	76.5	75.	73.	75.3
7	71.	69.	67.2	65.6	65.7	66.6	67.8	69.7	71.9	74.4	73.7	71.9	69.5
8	69.7	68.2	66.8	65.7	65.5	66.2	67.	68.4	69.5	70.5	70.8	70.5	68.2
9	70.	69.6	69.5	69.6	71.	74.5	77.5	84.8	83.3	84.5	83.8	82.9	76.7
10	80.8	80.	79.	78.5	79.2	80.9	82.8	84.1	85.4	85.9	85.5	84.3	82.2
12	68.7	67.2	65.9	64.7	65.	66.5	68.4	70.4	72.1	74.1	73.4	72.5	69.1
13	69.3	67.4	66.2	65.2	65.3	66.6	68.2	69.8	71.4	72.4	72.1	71.7	68.8
14	71.5	71.4	71.4	71.4	72.3	74.2	75.9	76.9	78.4	79.9	79.2	77.6	75.
15	75.3	73.4	71.6	70.1	70.5	71.5	72.4	74.1	75.9	77.9	77.7	76.1	73.9
16	74.5	73.	71.9	70.9	70.9	71.8	73.2	75.3	77.4	79.2	78.	76.7	74.4
17	74.4	72.5	70.8	69.2	68.8	70.1	71.2	72.5	74.2	74.3	72.9	71.4	71.9
19	69.3	67.9	66.4	65.2	66.1	68.	70.1	72.4	74.6	75.6	74.	72.4	70.1
20	70.4	68.6	66.4	65.1	65.9	67.9	70.4	72.4	74.9	76.9	76.2	74.6	70.8
21	72.	70.5	68.6	66.9	67.7	69.4	71.7	74.4	77.6	80.4	80.3	79.6	73.3
22	78.5	77.5	76.4	75.7	75.7	76.7	78.3	80.3	82.7	84.1	83.3	82.	79.3
23	80.	73.6	77.1	76.1	76.3	77.8	79.7	81.8	83.9	85.2	84.6	83.	79.9
24	81.7	80.3	79.1	78.3	78.7	80.2	82.	83.8	85.	84.6	83.	81.4	81.5
26	77.2	75.8	74.6	73.7	73.7	75.4	77.1	79.5	81.2	82.9	82.5	81.9	82.1
27	79.4	77.2	75.8	75.	75.9	77.6	79.7	81.9	84.4	84.8	84.	80.1	81.3
28	82.3	81.3	80.3	79.5	79.6	80.4	81.3	81.8	82.5	83.9	82.8	81.9	81.5
29	80.	78.8	78.	77.3	78.7	79.2	81.2	83.	84.9	85.4	83.9	82.5	81.1
30	81.4	80.3	79.2	77.9	78.4	79.5	81.	82.6	84.8	86.7	86.9	85.8	82.
Means	74.2	72.8	72.9	71.3	73.1	73.1	74.5	76.7	78.3	79.4	78.5	77.1	75.1

* Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Means.
Göttingen time	6 04	8 04	10 04	12 04	14 04	16 04	18 04	20 04	22 04	0 04	2 01	4 04	
Observatory time	0 23½	2 23½	4 23½	6 23½	8 23½	10 23½	12 23½	14 23½	16 23½	18 23½	20 23½	22 23½	
June 1	65.9	71.	71.	71.2	72.	71.9	71.9	71.4	74.3	75.4	73.	74.4	71.9
2	74.2	71.3	68.9	67.4	67.	69.8	74.5	78.	76.2	71.2	*70.4	68.6	71.5
3	66.8	66.2	71.8	75.3	76.7	81.4	82.1	80.6	78.8	77.5	75.7	74.8	75.6
5	76.3	76.	75.8	75.5	76.8	76.7	78.7	81.	82.8	83.9	82.4	81.5	79.
6	79.9	78.1	76.8	75.3	75.2	75.5	75.6	76.7	76.8	76.5	75.4	73.7	76.3
7	*71.2	70.1	68.3	67.	67.	67.8	69.2	71.3	78.7	75.6	73 6	71.2	70.9
8	70.4	69.	67.7	66.9	66.7	67.6	68.	69.7	70.	70.6	71.	71.	69.1
9	70.5	70.2	70.	70.2	71.6	74.8	78.3	82.9	83.3	81.3	84.	82.9	76.9
10	81.2	80.7	75.8	79.2	79.9	81.3	83.4	84.6	85.8	85.8	85.3	84.7	82.3
12	70.3	69.1	67.5	66.4	66.8	68.2	70.5	72.3	74.9	74.5	73.3	71.9	70.5
13	70.	68.3	67.2	66.6	67.	67.9	69.7	71.2	72.6	72.7	72 4	72.3	69.8
14	72.	72.	71.9	72.1	73.	74.9	76.9	77.6	78.7	79.5	78 8	77.8	75.4
15	75.9	74.2	72.3	71.1	71.1	72.2	73.4	75.6	76.7	77.5	77.3	76.3	74.5
16	74.9	73.7	72.6	71.9	71.9	72.1	73.6	75.8	77.6	78.6	77.9	76.8	74.8
17	75.	73.3	71.8	70.3	70.	71.4	72.3	73.5	74.4	74 1	73.9	72.	72.7
19	69.7	68.5	*67.1	66.1	66.8	68.5	70.9	72.7	74.6	74.9	73.5	72.4	70.5
20	70.6	69.2	67.2	66.	66.6	68.6	71.	72.9	74.9	76.3	75 5	74.5	71.1
21	72.8	71.2	69.4	67.8	68.4	70.1	72.7	75.	78.2	79 4	79.9	79.5	73.7
22	78.6	78.	77.	76.7	76.7	77.8	79.6	80.7	82.6	83.5	82 8	82.	79.7
23	80.3	79.2	78.8	76.9	77.1	78.4	80.4	82.9	83.9	84.7	83.9	83.	80.8
24	81.8	*80.5	79.8	79.1	79.6	80.8	82.7	84.1	84.9	84.7	83.3	83.1	82.1
26	77.9	76.7	75.4	74.7	75.	76.5	78.3	80.	81.5	82.5	81.9	80.9	78.4
27	79.5	77.9	76.5	75.9	76.4	78.3	80.4	82.3	84.7	84.9	84.	80.	80.
28	82.6	82.	81.	80.3	80.6	81.3	82.1	82.4	82.8	83.6	82.6	82.2	82.
29	80.6	79.3	78.8	72.	78.4	79.7	81.7	83.3	85.2	85.3	84.	82.9	80.9
30	82.1	81.1	80.1	78.8	79.2	80.2	81.8	83.3	85.3	86.5	86.7	85.8	82.6
Means	75.	71.2	73.1	72.3	73.	74.4	76.1	77.8	79.2	79.4	78.6	77.5	75.9

* Supplied.

GENERAL NOTES.

The suspension threads of the declinometer gave way on the 9th of August. The instrument was examined for torsion, inclination of mirror, &c., on the 24th, but no change could be detected. The whole effect of torsion for 180° was but 17.1 divisions. The readings, however, at a mean, are 18 divisions below those used before the 9th.

Beginning with October, the regular observations were taken every hour, instead of every two hours.

The instruments, times of observation, and modes of recording and reducing, are otherwise as already described.

Göttingen time.. Observatory time.	*h. m.* 6 02 0 21½	*h. m.* 8 02 2 21½	*h. m.* 10 02 4 21½	*h. m.* 12 02 6 21½	*h. m.* 14 02 8 21½	*h. m.* 16 02 10 21½	*h. m.* 18 02 12 21½	*h. m.* 20 02 14 21½	*h. m.* 22 02 16 21½	*h. m.* 0 02 18 21½	*h. m.* 2 02 20 21½	*h. m.* 4 02 22 21½	Means.	Reduced to 32° F.
July *1	972.2	951.	916.1	944.2	959.3	982.1	971.4	970.8	952.9	951.9	996 5	998.3	966.4	844.5
3	950.	939.9	935.3	932.2	912.7	968.1	970.7	931.5	913.9	936.6	937.7	945.6	941.9	841.2
4	928.7	932.1	925.4	923.4	930.6	937.8	951.5	933.5	911.2	923 7	943 3	943.	932.	841.6
5	940.3	935.4	930 5	933.1	949.	955.2	939 1	915.7	920.6	910 5	941.9	938.3	936.6	841.4
6	935.	926.8	928.3	917.6	926.	929.8	936.	933.4	917.3	931.5	934.3	939.8	929.6	836.9
7	935.3	936.8	931.1	928.2	934.9	934.3	926.8	939.8	941.6	961.6	*969.2	*963 6	941.9	843.9
*8	*937.	*959 5	*956.6	*964.5	*955.9	*982.4	*977.	*972 9	*974.	980.1	984.4	976.9	968.4	861.7
10	950.2	939.	938.4	932.6	964.5	963.5	961.2	957.3	945.	960.8	968.5	954.8	953.	847.9
11	951.6	960.7	958.9	939.6	952.9	968.8	955.4	946.6	933.7	904.7	926.2	924.3	943.6	845.4
12	922.1	922.1	917.5	921.1	936.3	933.9	915.8	919.7	921.7	923 3	934.6	918.6	923.9	835.8
13	926.	923.5	922.	923.8	931 9	941.2	941.7	933.7	924.9	918.5	916.6	923.8	927.3	838.5
14	†934.5	918.	917.	922.6	936 7	946.7	954.8	943.7	925.3	931.4	937.7	930.6	933.1	838.6
15	936.5	927 3	924.7	921.1	932.	951.	965.	965.	938.1	941.5	939.5	957.7	941.	838.4
17	932.9	916.4	922.3	925.3	951.4	934.8	936.3	941.1	940.4	938.3	934.1	938.3	934.3	835.9
18	938.	932.7	933.7	931.	943.4	962.4	945.5	934 3	942.5	958.5	961.8	961.5	945.5	835.4
19	938.3	954.2	945.2	938.7	943.1	962.4	965 8	939.9	949.2	958.7	956.3	959 8	951.	836.7
20	949.1	936.4	934.1	925.8	936.5	947.1	935.9	928.1	918.9	928.2	938.3	935.1	934.5	833.6
21	927.8	922.5	915.9	916.4	9 8.3	929.8	928.	911.7	911.	925.8	927.2	934.2	922.4	829.2
22	933 5	913.3	923.	913.	918.	932.5	922 2	925.9	935.2	939.7	942.8	939.	928.2	831.4
*24	940.2	935.	935.9	926.2	932.3	941.1	919.5	944.7	*994.3	*935.5	*964.7	952.8	943.5	833.8
*25	953 3	940.8	945.4	973.6	1017.2	1031.6	999.7	951.4	954.6	1000.1	1018.	966.5	979.5	867.9
*26	983.5	974.	975.	959.7	981.5	970.3	939.4	938.7	948.6	975.5	985.2	977 1	967.4	861.1
*27	961.5	964.4	959.5	945.1	974.4	980.5	966.2	955.4	950.4	979.2	1003.8	1001.2	970.1	857.2
28	978.7	969.5	961.	962.5	980.4	965.2	959.6	954.5	963.4	984.	980.7	966.5	968.8	848.
29	977.3	976.5	974.9	959.5	975.8	1000.3	1003.8	972.9	978.1	955.4	992.4	991 4	979.9	855 5
31	961.6	953.7	966.8	951.4	955.5	954.5	948 8	929.3	924.9	933.3	939.2	935.	946.2	851.
Means	946.	940.9	939.4	935.9	949.3	958.	951.4	942.	939.6	946.8	956.7	952.8	946.5	
Reduced to 32° F.	841.8	840.	841.4	840.2	853.2	859.6	849.7	836.9	831.5	835.9	846.8	845.2		843.5

* See disturbance observations.

† Six minutes late.

Göttingen time.. Observatory time.	h. m. 6 04 0 23½	h. m. 8 04 2 23½	h. m. 10 04 4 23½	h. m. 12 04 6 23½	h. m. 14 04 8 23½	h. m. 16 04 10 23½	h. m. 18 04 12 23½	h. m. 20 04 14 23½	h. m. 22 04 16 23½	h. m. 0 04 18 23½	h. m. 2 04 20 23½	h. m. 4 04 22 23½	Means.	Reduced to 32° F.
July *1.....	905.3	887.2	871.	§858.	850.	853.5	867.8	880.	910.6	931.3	943.5	950.4	892.3	168.7
3.....	901.3	874.2	844.2	813.1	795.5	786.9	778.7	778.5	775.	784.	786.3	787.6	808.8	198.6
4.....	771.1	748.4	720.3	698.8	691.2	700.1	713.4	711.9	750.6	764.2	770.8	766.2	733.9	196.7
5.....	761.3	745.7	736.	730.6	728.1	732.7	748.4	767.7	777.3	778.7	778.8	777.4	755.2	193.6
6.....	772.4	761.8	741.4	717.3	701.9	702.6	708.5	722.5	742.9	768.2	783.1	784.	742.2	191.4
7.....	773.4	761.4	746.7	732.	723.3	729.2	741.5	760.2	780.8	800.6	*810.2	*823.6	765.2	184.7
*8.....	*835.1	*830.9	*818.5	*803.7	*799.6	*799.	*803.4	*813.5	*818.3	834.7	843.4	838.3	819.9	188.1
10.....	837.2	832.5	821.9	808.6	805.6	809.	811.	818.7	826.4	836.1	842.1	841.2	824.2	188.4
11.....	841.4	831.9	819.4	806.4	794.9	791.8	787.3	770.	753.4	747.4	743.2	735.8	785.2	201.3
12.....	732.7	723.	716.3	709.1	702.5	705.5	713.8	717.5	722.	726.7	726.4	732.3	719.	191.1
13.....	729.2	721.7	719.7	717.	715.1	716.4	716.6	722.8	724.4	727.5	728.6	727.3	722.2	193.
14.....	†725.1	717.4	716.	715.	711.	725.1	737.2	748.8	768.2	786.8	792.8	790.3	744.5	184.3
15.....	786.3	779.	774.5	768.6	766.3	772.6	789.	811.7	821.3	819.3	820.7	810.3	793.3	185.8
17.....	767.5	757.	756.	747.6	743.9	746.2	756.5	762.5	770.1	778.7	783.1	782.7	762.6	182.1
18.....	782.4	777.8	777.	775.3	776.6	786.	807.1	833.9	855.1	871.8	886.	885.4	817.9	168.6
19.....	882.	‡864.5	855.9	842.1	832.3	832.9	841.3	862.8	868.3	879.6	880.2	868.1	859.2	185.6
20.....	847.	832.	817.7	798.8	781.6	780.4	780.3	781.3	787.4	805.7	811.6	804.	802.3	193.5
21.....	792.2	770.5	742.9	716.8	702.6	708.3	720.	739.8	757.8	786.1	801.2	799.8	753.2	195.7
22.....	788.8	773.3	750.	724.9	713.9	722.1	736.8	759.4	783.3	809.5	825.5	824.4	767.7	194.3
24.....	829.6	817.3	811.	803.8	798.5	802.5	811.2	825.3	835.8	863.8	*877.3	*879.8	*829.7	181.7
*25.....	877.5	870.1	879.9	874.9	858.1	837.8	823.1	817.5	824.	849.8	853.9	871.1	853.1	186.1
*26.....	851.5	840.3	821.1	808.6	799.	798.4	802.	818.8	823.4	840.	848.	847.	824.8	194.4
*27.....	844.3	834.7	819.	813.1	809.	812.3	820.2	838.2	859.9	884.7	899.3	905.	845.	176.8
28.....	899.8	888.	874.3	858.3	848.5	852.5	863.2	878.9	908.	928.7	938.5	936.	889.6	175.5
29.....	930.3	917.	908.1	894.5	887.4	888.7	896.3	909.3	924.1	932.1	931.3	924.8	912.	177.6
31.....	832.8	822.2	816.1	807.	794.1	786.9	782.1	777.4	774.2	773.6	772.5	768.	792.2	218.5
Means.....	819.1	806.9	795.1	782.5	774.2	776.1	783.	793.4	805.5	819.6	826.1	825.4	800.5	
Reduced to 32° F.	200.9	204.8	209.2	206.1	197.8	187.5	174.2	167.	164.3	168.9	180.8	192.3		187.6

* See disturbance observations. † Six minutes late. ‡ One minute late. § Registered 958.

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
July *1.....	578.3	576.4	576.	*957.2	959.3	961.1	80.	850.	850.	850.4	80.9
3.....	578.6	577.5	576.	945.1	942.7	946.8	73.7	796.2	795.5	795.2	75.3
4.....	569.9	570.7	570.8	932.3	930.6	929.9	67.8	691.5	691.2	690.9	68.4
5.....	572.2	571.1	572.8	945.	949.	947.2	70.4	728.	728.1	728.2	71.
6.....	570.9	570.4	569.7	925.8	926.	925 8	67.9	702.1	701.9	701.5	69.
7.....	573.1	573.4	573.	937.9	934.9	936.	69.9	723.2	723.3	724.5	70.8
*8.....	580.5	578.3	578.4	*955.9	955.9	956.	75.7	*800.1	799.6	799.9	76.7
10.....	563.2	563.7	564.4	964.	964.5	966.2	76.3	805.4	805.6	806.	77.5
11.....	571.8	571.7	571.2	954.1	952.9	952.4	75.4	794.7	794.9	794.4	76.4
12.....	571.6	572.	572.5	935.5	936.3	940.9	68.6	703.	702.5	702.	69.9
13.....	577.2	578.1	578.1	928.5	931.9	932.1	69.6	714.8	715.1	715.1	70.4
14.....	570.8	571.7	572.7	933.6	936.7	934.1	71.3	710.5	711.	711.5	71.
15.....	571.7	571.6	573.1	930.1	932.	932.7	74.	765.5	766.3	767.2	74.8
17.....	572.1	570.7	570.7	950.2	951.4	951.4	72.5	744.	743.9	743.9	73.3
18.....	572.3	573.5	572.4	944.7	943.4	915.1	75.8	776.9	776.6	776.9	76.8
19.....	577.5	577.4	576.4	945.7	943.1	946.9	78.8	833.	832.3	832.3	79.4
20.....	573.2	573.3	573.2	936.3	936.5	937.2	73.1	781.9	781.6	781.5	74.6
21.....	577.1	577.7	577.	916.9	918.3	919.5	67.9	702.9	702.6	702.2	69.
22.....	579.1	579.	578.5	918.8	918.	918.8	69.	713.5	713.9	713.9	69.9
24.....	579.5	578.5	578.	932.4	932.3	932.7	75.7	798.3	798.5	798.2	76.3
*25.....	560.7	559.7	558.1	*1010.4	1017.2	1022.7	77.7	*859.7	858.1	856.9	78.6
*26.....	579.7	579.3	578.	*979.	981.5	980.9	74.4	*799.	799.	798.6	75.
*27.....	575.3	574.3	573.	*972.4	974.4	977.9	76.3	*808.9	809.	809.	77.3
28.....	570.8	571.7	571.4	*983.	980.4	980.7	79.7	848.4	848.5	848.1	80.4
29.....	578.3	578.	577.	974.3	975.8	977.4	83.6	886.9	887.4	887.7	83.8
31.....	577.1	577.1	577.6	951.	955.5	957.8	73.2	794.7	794.1	793.9	74.5

Göttingen time.. Observatory time.	*h. m.* 6 02 0 21½	*h. m.* 8 02 2 21½	*h. m.* 10 02 4 21½	*h. m.* 12 02 6 21½	*h. m.* 14 02 8 21½	*h. m.* 16 02 10 21½	*h. m.* 18 02 12 21½	*h. m.* 20 02 14 21½	*h. m.* 22 02 16 21½	*h. m.* 0 02 18 21½	*h. m.* 2 02 20 21½	*h. m.* 4 02 22 21½	Means.	Reduced to 32° F.
Aug. 1	937.9	931.1	927.9	926.7	941.6	946.6	939.8	914.7	909.4	937.7	945.5	943.7	933.6	841.8
2	944.6	943.2	940.6	934.6	962.7	971.1	932.4	919.2	931.3	944.7	948.9	†947.9	943.4	848.2
3	948.6	957.3	943.9	946.	959.7	950.8	932.5	914.	945.	948.1	959.9	941.	945.6	847.
4	929.8	924.2	953 2	962.2	981.	975.2	965.6	930.4	955.3	968.1	965.5	963.1	956.1	857.
5	959.9	951.2	959.2	947.3	963.5	971.8	957.6	947.7	950.4	952.3	951.1	956.8	955.7	859.8
7	962.5	952.2	955.3	947.5	967.8	951.9	944.	947.8	960.7	960.3	966.6	983.2	958.3	855.5
*8	963.9	962 1	949.5	964.7	981.5	983.9	1001.1	1007.1	984.6	974.	988.1	980.	978.4	866.6
9	974.7	983.1	973.6	974.5	1007.7	1008.3	995.8	969.6	931.3	948.4	943.8	945.4	971.3	869.6
10	913.8	936.	936.7	932.8	975.8	979.4	949.7	933.6	926.8	926.1	930.8	921.1	941.	847.8
11	921.9	924.8	907.4	915.5	959.3	967.2	952.7	912.6	910.4	940 6	936.2	935.9	932.1	835.3
12	931.6	927.1	939.5	922 3	960.4	949.9	951.4	939.7	932.9	951.7	939.2	953.1	941.6	841.4
14	919.	957.2	945.2	910.1	957.8	976.5	966.	952.6	954.4	960.2	955.	955.3	955.8	848.
15	955.1	949.4	944.6	941.8	958.7	978.	981.7	967.	946.5	957.3	942.3	947.7	955.8	849.1
16	942.2	941.9	938.6	933.4	948.5	968.6	956.5	937.8	930.9	941.8	952 8	955.9	945.7	842.2
17	942.1	932.6	936.	929.2	942.1	956.7	949.1	926.3	937.8	950.9	957.4	952.7	942.7	836.
18	955.3	947.5	937.6	929.6	949.4	955.8	950.5	934.5	938.1	954.1	961.4	968.4	948.5	837.2
19	963.7	951.6	950.8	942.6	967.7	967.1	957.8	958.7	964.4	957.4	961.8	961.8	958.8	848.7
21	961.6	956.7	956.1	949.6	978.6	980.	963.7	942.4	943.6	949.3	954.	950.9	957.2	850.7
*22	953.7	935.9	944.8	931.6	944.8	981.3	975.8	955.2	923.	944.7	1041.9	999.	961.	854.5
*23	945.7	975.7	967.5	962.1	973.5	986.2	980.	958.6	968.	969.	955.6	947.2	965.6	859.8
24	961.1	954.1	960.3	962.	976.1	972.	949.8	938.6	958.3	961.9	956.1	967.9	959.9	858.5
25	961.	955.8	955.6	941.7	961.9	972.9	954.6	932.4	942.6	961.8	965.3	953.2	954.9	850.
26	971.	959.4	969.	964.2	985.1	1006.	978 5	950.8	961.9	975.9	974.9	981.2	973.1	863.4
28	976.7	970.2	968.9	962.3	982.6	1009.9	1007.2	983.9	974.6	973.9	979.5	957.9	979.	870.2
29	†969.	964.3	962.3	953.9	978.4	997.2	984.	963.1	951.9	957.2	959.8	959.5	966.7	860.9
30	957.9	953.5	953.7	948.9	966.5	980.6	973.9	960.5	954.4	973.	978.2	974.5	964.6	854.7
31	967.	971.	968.9	962.3	977.4	990.5	978.6	969.	969.5	978.8	980.8	992.1	976.5	859.6
Means	953.8	950.7	949.9	945.5	967.	975.4	964.1	947.	946.6	956.3	961.2	959.2	956.3	
Reduced to 22° F.	851.2	848.6	850.1	847.5	869.	875.6	861.1	840.7	837.8	845.	851.7	851.4	*	852.4

* See disturbance observations.

† One minute late.

Göttingen time.. Observatory time.	*h. m.* 6 04 0 23½	*h. m.* 8 04 2 23½	*h. m.* 10 04 4 23½	*h. m.* 12 04 6 23½	*h. m.* 14 04 8 23½	*h. m.* 16 04 10 23½	*h. m.* 18 04 12 23½	*h. m.* 20 04 14 23½	*h. m.* 22 04 16 23½	*h. m.* 0 04 18 23½	*h. m.* 2 04 20 23½	*h. m.* 4 04 22 23½	Means.	Reduced to 32° F.
Aug. 1.....	765.3	758.5	754.9	749.3	743.7	707.5	720.5	738.6	750.9	765.	772.4	771.8	749.9	201.8
2.....	763.8	756.	743.6	727.1	717.9	724.7	733.7	754.5	773.1	792.1	795.8	§792.7	756.8	189.8
3.....	788.8	779.	766.6	753.6	745.1	745.	743.4	770.8	788.1	809.8	809.8	810.8	775.9	188.7
4.....	803.3	797.	790.	774.7	759.9	760.	765.3	780.4	793.2	804.6	811.3	808.1	787.3	189.3
5.....	800.1	788.	782.9	764.8	755.4	752.6	751.3	747.	747.	750.7	753.4	758.9	762.7	193.
7.....	777.4	771.	768.	752.3	741.	748.9	762.	777.	789.7	810.1	821.	823.2	778.5	171.
*8.....	830.	817.8	815.	812.7	811.1	813.	826.7	836.8	853.1	858.4	858.	851.3	832.	174.6
9.....	870.7	845.	832.3	822.4	813.7	797.2	780.4	772.4	764.1	762.	762.	758.5	798.4	195.
10.....	754.4	749.7	743.2	732.8	727.5	731.4	742.1	740.	‡748.4	759.5	758.8	755.9	745.3	190.7
11.....	755.5	751.6	756.4	749.2	745.2	746.5	755.5	767.5	785.5	807.7	812.8	809.1	770.2	195.1
12.....	805.	797.	790.	774.8	767.	764.9	774.6	787.	802.6	821.5	834.1	830.2	795.7	199.
14.....	849.9	836.2	827.	816.4	802.7	803.7	817.	832.8	849.1	866.	867.8	863.2	836.	200.2
15.....	851.1	837.5	833.8	823.2	817.3	820.1	823.6	832.6	840.2	852.4	855.3	850.7	836.5	193.9
16.....	845.1	831.7	823.	805.	789.6	794.7	796.6	809.6	823.7	842.3	850.8	847.	821.6	204.7
17.....	842.2	832.8	823.4	808.5	793.1	795.9	803.9	822.3	837.4	853.8	862.7	862.1	828.2	201.8
18.....	859.	849.1	841.3	832.3	824.2	825.	832.7	848.9	870.3	890.8	895.3	892.	855.1	199.
19.....	856.2	876.7	866.8	857.	847.5	845.8	850.4	855.7	856.8	863.7	865.8	861.7	858.7	205.6
21.....	852.7	845.	839.9	832.2	826.1	821.6	818.2	830.8	837.3	847.3	848.	846.	837.1	204.
*22.....	843.	837.1	847.4	851.9	841.7	835.9	836.4	838.	841.7	852.7	857.	866.	845.7	212.6
*23.....	875.1	861.6	860.	853.	846.	840.8	835.	838.6	839.5	845.3	854.8	854.2	850.3	218.5
24.....	849.3	837.1	830.6	817.4	802.8	736.6	746.	806.7	†819.7	836.3	845.3	843.4	814.3	210.9
25.....	842.8	833.	825.7	812.6	801.5	805.2	814.6	826.7	844.3	865.5	879.	884.9	836.3	209.9
26.....	878.4	873.1	859.1	846.5	840.2	823.3	824.4	835.7	852.8	872.3	888.4	883.9	856.5	203.1
28.....	863.4	853.7	848.2	841.5	836.5	836.	834.9	838.9	846.6	857.7	859.8	859.2	848.	201.4
* 29.....	†853.8	842.7	837.	828.2	822.9	820.8	823.2	831.8	845.2	858.7	850.6	841.8	838.1	203.6
30.....	837.9	829.6	826.	819.5	816.5	823.2	835.1	853.1	872.7	898.5	905.	903.	851.7	198.3
31.....	901.	890.	882.7	871.8	860.8	863.3	874.7	901.2	916.2	926.2	918.8	908.8	893.	207.2
Means.....	830.9	821.4	815.4	804.8	796.2	792.	797.1	810.2	821.8	836.	840.5	838.5	817.1	
Reduced to 32° F.	211.3	213.9	220.1	220.3	210.3	195.4	178.8	178.4	175.2	184.	198.	202.7		198.7

* See disturbance observations. † Twelve minutes late. ‡ Supplied. § One minute late.

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Aug. 1.....	581.8	581.1	581.4	941.2	941.6	942.7	68.7	743.9	743.7	743.2	69.7
2.....	572.5	572.	571.4	960.4	962.7	966.1	69.3	717.9	717.9	718.3	70.5
3.....	577.8	575.7	578.4	952.7	959.7	954.7	71.3	745.	745.1	744.6	72.4
4.....	572.8	574.6	574.	978.5	981.	976.4	72.3	760.6	759.9	759.4	73.3
5.....	574.6	574.1	574.1	962.9	963.5	965.3	72.1	755.8	755.4	756.1	73.1
7.....	570.	569.3	568.9	965.5	967.8	968.2	73.2	740.9	741.	741.1	73.8
8.....	576.1	572.9	572.2	977.4	981.5	982.4	78.3	811.1	811.1	810.	78.8
9.....	572.9	572.9	572.	1003.	1007.7	1009.7	76.5	814.1	813.7	813.2	77.3
10.....	524.9	524.9	522.3	972.1	975.8	976.8	71.3	727.4	727.5	727.4	72.3
11.....	552.8	555.1	558.	958.2	959.3	966.4	71.2	744.9	745.2	745.	72.2
12.....	557.5	557.3	556.9	.....	960.4	960.6	72.6	767.1	767.	766.8	73.1
14.....	558.5	559.	558.1	958.	957.8	959.7	75 5	802.6	802.7	802.7	75.9
15.....	558.6	559.	559.	958.4	958.7	959.7	76.2	817.3	817.3	817.4	76 6
16.....	557.4	557.6	558.	944.8	948.5	951.7	73.6	789.7	789.6	789.5	74.6
17.....	556 8	556.9	557.	940.4	942.1	944.	74.3	793.6	793.1	793.1	74.9
18.....	557.3	557.6	556.8	948.8	949.4	949.6	77.2	824.4	824.2	823.9	77.5
19.....	560.8	560.3	560.	967.9	967.7	967.6	77.8	847.9	847.5	846.7	78.7
21.....	556.4	555.5	555.2	977.3	978.6	979.8	76.1	826.1	826.1	825.9	77.1
22.....	550.	548.	548.9	841.5	944.8	951.4	75.7	812.1	841.7	841.8	76.7
23.....	555.2	553.6	553.7	970.	973.5	974.7	76.8	846.	846.	844.9	77.9
24.....	550.4	549.3	548.7	974.	976.1	972.1	73.3	803.5	802.8	802.2	74.3
25.....	541.1	540.9	541.3	962.7	961.9	964.2	74.	801.4	801.5	801.1	74.5
26.....	549.1	548.	547.5	981.8	985.1	986.6	75.9	840.	840.2	839.8	77.2
28.....	550.9	550.5	550.1	981.2	982.6	984.7	77.9	836.9	836.5	835.6	78.7
29.....	549.4	548.9	548.3	977.1	978.4	979.2	76.4	823.6	823.9	822.3	77.5
30.....	545.4	544.9	545.5	964.9	966.5	968.7	76.5	816.2	816.5	816.8	77.
31.....	544.3	544.3	543.6	975.8	977.4	977.2	79.6	861.	860.8	860.8	80.

Göttingen time.. Observatory time.	*h. m.* 6 02 0 21½	*h. m.* 8 02 2 21½	*h. m.* 10 02 4 21½	*h. m.* 12 02 6 21½	*h. m.* 14 02 8 21½	*h. m.* 16 02 10 21½	*h. m.* 18 02 12 21½	*h. m.* 20 02 14 21½	*h. m.* 22 02 16 21½	*h. m.* 0 02 18 21½	*h. m.* 2 02 20 21½	*h. m.* 4 02 22 21½	Means.	Reduced to 32° F.
Sept. 1.....	979.6	971.2	974.3	965.9	989.2	1003.3	995.1	984.1	990.4	982.6	1016.8	985.8	986.8	883.8
2.....	978.4	958.7	982.9	954.9	972.2	955.7	976.7	962.1	1003.3	998.1	996.	977.8	976.4	876.5
4.....	988.7	984.	976.	976.7	994.	1003.1	999.5	987.5	1019.3	1010.8	993.5	994.1	993.9	882.4
5.....	978.7	1017.	995.	970.5	1001.	1007.1	997 3	983.5	986.1	998.3	988.6	1000.1	993.3	884.4
6.....	990.2	1019.6	991.8	984.3	995.6	1014.	1000.5	973.2	976.3	966.	962.7	964.5	986.6	887.6
7.....	976.1	961.1	955.5	957.9	983.8	1002.6	970.8	953.4	951.6	952.4	948.9	951.	963.8	876.9
8.....	953.1	940.	944.9	950.4	977.9	981.7	972.1	949.4	962.4	968.	962.6	956.9	960.	877.5
9.....	958.1	957.8	950.6	950.1	962.4	983.3	946.6	934.2	945.7	938.	941.2	950.6	951.5	867.
11.....	921.4	933.	927.8	929.6	947.1	962.1	938.1	912.3	927.9	931.4	920.3	928.8	931.6	868.9
12.....	938.5	951.3	981.5	963.6	985.2	984.9	983 6	952.9	963 8	976 8	967.5	959.4	967.4	881.4
13.....	965.1	961.4	951.4	944.5	965.8	982.2	983.1	959.3	973.7	980.5	975.6	965.6	967.4	881.8
14.....	961.3	953.4	950.1	943.5	963 8	974.5	960.1	960 2	958.2	960.3	955.8	947.	957.3	881.4
15.....	976.4	981.8	980.2	981.	1012.4	1014.9	1002.	1004.7	1001.6	1005.3	1006.6	1018.1	998.8	893.4
16.....	1007.3	1004.9	998.3	994.8	1018 3	1018 8	1014 4	997.4	996.	1008.9	997.	1007.1	1005.3	905.9
18.....	1006.8	997.	986.4	978 3	1000.9	1016.2	1019.4	1008.9	1024.8	1032.1	1029.1	1006.4	1008.9	864.6
19.....	1030 7	1018.9	1004.6	992.2	1026.2	1044.4	1022.8	1031.1	1029.6	1030 4	1022.	1016.2	1022.4	912.8
20.....	1016.8	1016.5	1000.4	1007.2	1009.7	1030.7	1023.4	1021.2	1026.5	1001.8	1007.2	1011.1	1014.6	912.7
21.....	992.2	1003.6	1003.3	991.6	1001.1	1022.1	1018.3	1016.5	1010.2	1019.8	1016.3	996.7	1007.6	907.5
22.....	1027.6	1018.2	1007.3	1006.7	1019.	1064.4	1011.7	993.	999.	1008.3	1000.5	997.5	1012.8	913.1
23.....	990.5	997.8	980.8	984 5	1001.7	1004.	1003.5	989.5	1001.	995.2	994.7	995.8	994.9	907.3
25.....	1013.7	993.9	998.4	995.5	1017.7	1050.8	1045.3	1023.7	1016.7	1020.6	1027.7	1024.5	1019.5	914.1
26.....	1028.	1011.8	1004.2	998.4	1016.5	1050.2	1038.7	1010 6	1002.5	991 4	995.4	982.6	1010.9	925.9
27.....	974.1	964.4	960.2	958.5	965.1	985.9	991.6	966 4	942.5	950.7	988.2	966.6	967.9	904.1
28.....	976.5	959.4	941.9	925.1	954.2	967.2	979 6	972.1	962.6	971.9	978.9	976.3	963.8	909.
29.....	968.4	965.6	957.5	948.3	956.2	967.9	999.3	993.6	975.7	998.8	975.9	992	974.9	908.2
30.....	989.	967.	964.8	959.5	995.3	981.6	999.7	988.9	972.1	1000.7	998.3	985 6	983.5	916.2
Means.....	984.1	981.4	975.8	969.7	989.7	1002.8	995.9	982.	985.4	988.4	987.2	983.	985 4	
Reduced to 32° F.	892.1	891.6	888.2	883.7	903.5	915.7	905.9	890.3	891.7	893.6	893.9	890.4		895.

	h. m. 8 04 2 23½	h. m. 10 04 4 23½	h. m. 12 04 6 23½	h. m. 14 04 8 23½	h. m. 16 04 10 23½	h. m. 18 04 12 23½	h. m. 20 01 14 23½	h. m. 22 04 16 23½	h m. 0 04 18 23½	h. m. 2 04 20 23½	h. m. 4 04 22 23½	Means.	Reduced to 32° F.
..	903.5	896.6	887.6	879.9	874.9	871.2	863.1	854 9	858.3	859.4	855.	848.8	871.1	221.8
..	843.1	849.9	827.7	811.1	800.4	797.2	805.1	818.1	832.1	857.5	870.8	875.8	832.4	207.4
...	895.8	885.1	878.4	868.6	863.1	867.8	877.3	902.2	921.3	948.1	953.4	945.8	900.6	219.4
....	941.6	929.	897.9	878.8	873.3	873.2	878.8	896.8	901.3	916.9	922.3	912.6	901.9	221.5
.....	902.9	893.8	884.	867.5	850.4	843.2	839.4	838.9	835.7	835.6	832.3	828.5	854.3	233.3
.....	818.9	807.	798.7	794.7	788.4	779.6	772.6	761.5	750.7	750.1	744.6	738.2	775.4	230.
8.....	736.1	728.	723.	716.8	713.1	726.3	736 4	753.2	768.3	770.2	767.2	761.4	741.7	215.2
9.....	760.6	749 8	742.9	732.6	728.4	730.8	734.9	737.5	743.6	759.3	756.5	745.9	743.7	222.6
11.....	645.5	641 2	632.3	620.	610.9	607.8	603.8	598.7	595.3	608.8	670.3	764.	633.2	233.8
12.....	802.3	811.	813.6	810.4	807.9	815.3	838.2	828.5	823.	818.1	789.3	773.3	811.2	236.1
13.....	787.8	784.	770.7	800.6	827.	834.9	829.1	821.6	810.5	798.1	777.8	755.3	799.8	236.9
14.....	736.3	711.1	702.5	686.2	675.9	677.7	686.4	692.2	698.5	705.1	717.7	814.2	711.2	226.6
15.....	851.	863.8	866.3	866.1	876.	891.1	898.6	906.7	907.7	907.2	903.	896.1	886.1	221.9
16.....	890.2	876.7	865.8	847.4	834.7	831.2	834.9	846.3	855.7	860.5	857.8	853.2	854.5	228.1
18.....	867.9	860.3	859.	846.9	837.5	836.1	841.5	854.4	877.3	899.8	908.4	917.6	867.2	213.8
19.....	916.2	906.2	903.3	890.8	874.2	878.5	885.8	866.	913.5	926.2	927.6	921.8	900.8	212.3
20.....	908.9	897.1	890.	859.1	838.7	834.8	840.8	861.6	865.2	870.2	866.8	858.8	866.	226.1
21.....	851.4	834.2	823.9	810 4	801.	803.3	816.1	837 5	857.6	882 5	891.9	895.7	842.1	214.4
22.....	900.2	890.5	8-2.9	868.6	859.6	854.4	849.9	843 1	830.2	835.3	831.7	814.9	855.1	227.4
23.....	802.4	779.3	761.6	749.	739.8	739.5	747.6	758.7	781.5	803.4	808.4	808.6	773.3	219.8
25.....	883.1	874.1	868.	856.1	846.5	847.8	861 5	888.5	910.7	927.1	929.8	823.1	881.7	215.1
26.....	918.3	901.	885.7	872.4	862.	856.3	842.9	828.4	809.7	787.6	760.4	740.1	838.7	240.7
27.....	721.	697.9	677.1	657.	640.9	637.8	639.9	643 4	648.3	633.6	645.2	637.1	656.6	236 8
28.....	624.3	604.4	596.1	579.9	566.	572.3	589.7	613.4	626.6	636.8	637.8	636.4	607.	252.
29.....	630.1	621.3	617.4	609.4	611.5	630.8	655.8	677.8	699.4	718.7	722.4	710.2	658.7	232.1
30.....	766.3	697.2	673.8	657.1	646.	648.5	656.1	667.4	677.6	684.9	684.3	684.3	678.6	219.4
Means.....	819.5	807.4	797.3	786.1	778.8	780.3	785.6	792.2	800.	807.7	810.1	810.1	797.9	
Reduced to 32° F.	289.	239.1	242.5	239.	229.4	226.8	211.9	207.7	208.7	215.1	225.6	229.6		226.3

SEPTEMBER.] THERMOMETER OF VERTICAL FORCE MAGNETOMETER. [1843.

Göttingen time Observatory time	h. m. 6 04 0 23½	h. m. 8 04 2 23½	h. m. 10 04 4 23½	h. m. 12 04 6 23½	h. m. 14 04 8 23½	h. m. 16 04 10 23½	h. m. 18 04 12 23½	h. m. 20 04 14 23½	h. m. 22 04 16 23½	h. m. 0 04 18 23½	h. m. 2 04 20 23½	h. m. 4 04 22 23½	Means.
Sept. 1	82.5	81.7	81.	*80.7	80.3	80.1	80.	80.4	80.2	79.5	77.9	77.4	80.1
2	77.5	76.6	75.7	75.	75.1	76.	77.9	78.8	81.2	82.2	82.	81.6	78.3
4	81.3	81.	80.	79.2	79.9	80.2	83.8	85.6	87.5	88.2	86.3	85.	83.2
5	83.6	81.8	80.2	79.4	80.	80.9	83.1	83.6	84.9	85.	83.7	82.7	82.4
6	81.3	80.	79.3	78.2	77.9	77.3	78.	77.5	77.6	77.2	76.4	*75.8	78.
7	75.2	74.5	74.1	73.8	73.2	72.8	72.3	71.4	70.9	70.6	70.1	70.	72.4
8	69.5	69.	68.5	68.1	68.9	70.	71.8	72.9	73.8	73.6	72.3	72.	70.9
9	71.2	70.4	69.7	69.	69.1	69.6	70.9	71.	72.4	72.4	71.1	70.	70.6
11	62.	61.4	60.6	59.8	59.4	57.2	59.	59.	58.9	60.8	67.3	73.7	61.6
12	73.9	74.8	74.	73.5	75.	75.6	77.2	76.2	76.3	74.7	72.	72.	74.6
13	73.5	71.3	71.	75.4	77.	75.7	76.2	75.7	74.4	73.1	71.1	69.8	73.7
14	67.7	67.	65.9	65.	64.8	65.5	66.5	67.2	67.2	67.9	72.6	77.8	67.9
15	79.3	79.5	79.2	79.6	81.2	81.9	82.8	83.	82.9	82.2	81.4	81.1	81.2
16	79.8	78.8	77.8	76.7	76.5	76.7	78.4	79.4	79.6	79.3	79.7	77.7	78.4
18	79.4	79.	78.	77.2	77.1	77.6	79.2	81.4	83.7	84.5	83.6	83.7	80.4
19	83.	82.1	80.8	80.	80.	80.9	82.9	86.9	85.6	85.8	84.7	83.5	83.
20	*82.	80.5	78.9	77.3	77.	77.5	80.2	80.6	80.6	80.6	79.6	78.7	79.4
21	77.5	76.5	75.5	74.6	74.5	75.9	78.1	80.	82.1	83.3	82.2	82.1	78.5
22	81.4	80.7	79.7	79.	78.9	78.9	78.8	77.6	77.8	77.8	76.2	75.	78.5
23	73.4	72.	70.8	70.1	70.1	70.5	72.1	73.4	75.6	76.2	75.7	76.	73.
25	80.4	79.8	78.8	78.	78.1	79.4	82.4	83.9	85.5	85.4	84.2	83.6	81.6
26	82.4	80.9	79.5	78.8	78.8	77.4	76.8	75.7	74.1	73.3	70.6	*69.	76.3
27	67.5	65.8	63.8	62.4	61.4	61.4	62.2	62.8	63.4	63.3	61.8	*60.3	63.1
28	58.9	57.6	55.8	54.4	54.4	55.9	58.9	60.5	61.6	61.6	61.1	60.8	58.3
29	59.9	59.4	58.7	58.3	59.8	62.	65.	66.4	68.4	69.9	67.7	67.2	63.6
30	65.7	64.3	63.1	61.5	61.1	61.9	63.3	*64.4	65.4	65.5	64.9	64.7	63.8
Means	75.	74.1	73.1	72.5	72.7	73.	74.5	75.3	75.8	75.	75.3	75.	74.3

* Supplied.

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Sept. 1.....	547.1	546.6	546.	986.	989.2	989.	80.4	874.8	874.9	871.7	80.3
2.....	543 9	539.9	540.1	964.5	972.2	974 6	73.8	800.5	800.4	800.3	75.1
4.....	542.6	512.6	543.	995.4	994.	993.4	79.3	863.2	863.1	863.2	79.9
5.....	542.	543.7	544.1	998.1	1001.	1001.6	79.	872.9	873.3	872.9	80.
6.....	547.3	547.2	548.1	994.6	995.6	996.5	76 5	850.8	850.4	849.7	77.9
7.....	545.2	544.1	543.9	982.2	983.8	986.4	72.1	789.	788.4	787.8	73.2
8.....	538.	538.1	538.4	977.1	977.9	976.5	68.3	712.8	713.1	713.2	68.9
9.....	547.6	547 5	547.4	959.8	962.4	964.6	68.5	728.4	728.4	728.4	69.1
11.....	544.8	514.9	544.	944.2	947.1	948.7	57.9	611.3	610.9	610.7	59.4
12.....	550.5	550.6	550.	983 2	985.2	987 3	70.7	807.2	807.9	808.8	75.
13.....	550.5	549.6	549.5	963.6	965.8	968.4	72.3	825.9	827.	828.4	77.
14.....	544.9	544.8	544.6	961.9	963.8	963.9	63.3	676.2	675 9	675.5	64.8
15.....	544.9	544.8	544.2	1012.1	1012.4	1013.2	79.2	875.2	876.	876.8	81.2
16.....	445.6	545.9	545.5	1018.6	1018.3	1018.6	75.4	834.9	834.7	834.2	76.5
18.....	542.1	544.3	538.9	1005.	1000.9	1003.7	75.9	839.1	837.5	837.4	77.1
19	546.6	549.8	549.4	1028.4	1026.2	1027.6	78.9	874.9	874.2	873.9	80.
20.....	552.	552.2	552.9	1006.6	1009.7	1014.2	75.7	838.9	838.7	838.2	77.
21.....	553.4	552.9	552.4	1000.5	1001.1	1006.1	73.2	801.3	801.	800.7	74.5
22.....	553.3	555.3	554.2	1018.5	1019.	1018.2	77.8	859.6	859.6	859.5	78.9
23.....	544.5	544.5	543.7	998.6	1001.7	998.1	68.6	740.4	739.8	739.2	70.1
25.....	553.9	553.4	552.7	1014.4	1017.7	1017.5	77.	846.8	846.5	846.4	78.1
26.....	554.2	555.	554.	1016.	1016.5	1019.7	77.4	862.5	862.	861.8	78.8
27.....	554.4	554.5	555.4	963.8	965.1	964.4	59.1	611.4	640.9	640.5	61.4
28.....	545.3	545.4	546.	952.	954.2	956.2	52.5	566.	566.	565.4	54.4
29.....	551.	551.	550.5	955.2	956.2	958.1	58.3	611.6	611.5	611.6	59.8
30.....	544.3	545.3	544.9	990.5	995.3	996.9	59.4	646.4	646.	645.3	61.1

Göttingen time Observatory time	*h. m.* 18 00 12 19½	*h. m.* 19 00 13 19½	*h. m.* 20 00 14 19½	*h. m.* 21 00 15 19½	*h. m.* 22 00 16 19½	*h. m.* 23 00 17 19½	*h. m.* 0 00 18 19½	*h. m.* 1 00 19 19½	*h. m.* 2 00 20 19½	*h. m.* 3 00 21 19½	*h. m.* 4 00 22 19½	*h. m.* 5 00 23 19½	Means.
Oct. 2	540.2	537.5	538.9	541.	541.	542.	547.8	543.1	541.4	541.7	541.4	543.3	541.9
3	540.6	540.1	540 1	542 1	543.5	542.9	543.	541.6	539.7	541.1	539.3	548.4	544.
4	539.9	541.	543.9	544.6	545.	544.9	513.4	545.9	544.5	560.5	545.	548.4	546.7
5	531.2	532.1	530.	534 5	538.5	541.	540.8	541.7	550.8	557.4	542.9	542.6	544.
6	529.5	530.8	534.6	540.1	539.7	539.7	539.3	541.6	539.	540.5	538.6	538.5	537.3
7	529.7	529.8	532.3	535.7	537.6	538.8	538.3	538.4	538.3	542.	535.9	538.2	538.2
9	532.3	533.5	533.2	536.6	541.8	537.6	542.9	542.7	542.5	542.2	542.7	544.4	542.3
10	536.3	534.7	532.7	533.9	535.3	537.2	541.2	543.2	543.4	543.3	542.7	543.2	544.3
11	535.9	533.3	532.3	534.3	536.4	539.2	539.7	541.6	542.1	541.7	541.8	541.4	541.1
12	535.2	533.3	530.5	531.5	535.3	536.5	540.1	540.6	544.5	551.3	540.5	542.4	540.8
13	536.2	533.7	535.3	538.2	538.9	540.5	542.1	540.9	542.4	540.8	545.	544.2	541.8
14	539.5	531.6	533.6	536.6	535.8	535.7	545.6	546.5	544.7	545.6	545.6	*543.1	543.2
16	540.3	537.1	338.8	533.	528.3	540.9	539.3	540.3	543.6	543.7	542.7	543.8	540.6
17	536.2	541.3	538.8	539.8	540.7	542.	544.5	548 3	544.2	543.5	541.6	543.9	542.2
18	539.8	538.8	537.6	539.4	540 4	541.	541.5	540.8	542.8	551.3	557.5	545.	543.6
19	541.4	540.8	540.	539.6	541.2	538.8	541.	541.9	543.6	542.5	551.3	531.9	542.2
20	534.2	531.6	531.5	532.1	532.9	535.6	535.5	535.5	535.1	547.7	536.8	535.4	539.6
21	534.3	533.5	534.2	535.9	535.6	536.	537.1	538.5	539.2	540.3	538.9	†538.6	538.2
23	530.	530.6	532 2	536.3	536.2	535.2	534.8	536.3	536.3	537.2	537.9	540.5	539.
24	531.6	530.7	531.3	533.2	533.7	534.2	534.5	536.6	538.1	541.9	542.2	543.	537.7
25	534.7	534.6	536.8	536.9	538.6	538.6	537.8	538.	538.3	538.7	542.	540.6	540.5
26	528.6	524.5	529.2	532.6	526.8	534.5	537.1	545.1	546.5	543.4	543.1	543.7	538.
27	533.5	532.9	534.	533.4	534.1	535.6	536.3	538.8	540.1	539.1	538.2	537.6	537.5
28	530.4	528.5	529.3	530.7	532.6	534.5	536.8	539.5	539.1	538.1	537.8	536.6	536.2
30	533.8	532.4	531.7	528.6	533.8	537.3	536.7	539.5	540.9	538.3	538.2	543.6	538.2
31	532.2	530.9	531.4	531.7	533.3	535.2	538.3	538.	550.	540.4	541.5	543.1	537.6
Means	534.9	533.9	534.4	535.8	536.8	538.3	539.8	541.	543.	543.6	542.	541.7	540.6

Göttingen time.. Observatory time.	*h. m.* 18 02 12 21½	*h. m.* 19 02 13 21½	*h. m.* 20 02 14 21½	*h. m.* 21 02 15 21½	*h. m.* 22 02½ 16 21½	*h. m.* 23 02 17 21½	*h. m.* 0 02 18 21½	*h. m.* 1 02 19 21½	*h. m.* 2 02 20 21½	*h. m.* 3 02 21 21½	*h. m.* 4 02 22 21½	*h. m.* 5 02 23 21½	Means.	Reduced to 32° F.
Oct. 2.....	992.2	1001.	987.8	987.7	997.4	994.2	1016.2	1000.3	998.1	992.2	986.4	988.	990.6	907.7
3.....	987.7	984.	987.2	975.6	974.6	974.6	977.8	980.6	983.6	979.8	974.2	967.6	983.1	909.8
4.....	983.6	976.8	976.8	983.5	981.4	981.5	979.5	975.8	976.2	959.7	978.5	992.5	976.1	894.5
5.....	1005.4	996.4	1003.	1015.2	988.8	983.6	988.	986.1	1003 6	1012.2	1012.1	1000.2	995.3	915.
6.....	988.4	983.5	981.2	980.	988.8	997.	992.3	986.1	989.6	997.1	1007.3	993.9	986.1	915.
7.....	1006.9	1000.4	985.8	982.6	978.4	978.1	979.4	978.9	986.7	994.9	978.	979.	989.5	915.6
9.....	1001.5	988.8	984.7	977.9	973.9	968.9	964.7	970.3	969.8	971.7	973.7	972.2	971.2	898.8
10.....	989.6	996.	994.2	992.3	996.	1000.5	991.2	982.	973.6	977.5	976.6	977.7	983.4	895.2
11.....	999.6	1002.1	1003.5	996.1	990.6	990.2	995.3	996.6	992.7	993.8	991.	997.2	989.1	897.1
12.....	1004.6	1004.6	1003.7	1005.4	1015.8	1015.7	1012.5	1014.1	1021.6	1001.9	1000.9	1002.	997.9	905.5
13.....	1006.5	1005.1	1001.4	989.7	986.	987.8	992.5	992.9	989.6	1004.5	986.8	994.	991.6	907.3
14.....	983.4	978.9	982.1	988.9	972.	996.3	1001.5	1017.1	1001 1	979 1	966.5	937.1	978.9	907.4
16.....	1000.3	1009.1	986.5	996.6	1016.2	996.2	994.7	996.1	987.5	984.8	988.2	977.3	992.9	920.5
17.....	983.2	984.4	975.6	977.1	982.3	981.6	1007.6	992.6	998.1	986.3	979.2	981.5	985 4	914.3
18.....	975.2	975.4	981.9	983.9	997.3	1004.4	998.1	990.8	992.5	998.2	981.6	1012.8	981.2	911.2
19.....	982.2	978.5	990.6	1001.4	1000.	994.4	991.2	989.9	989 8	999.2	1009.4	1009.9	990.1	916.
20.....	1007.5	1019.2	1021.8	1019.3	1007.7	1008.5	1014.5	1013.1	1006.6	1000.7	1008.9	1007.8	998.6	921.8
21.....	1025.2	1027.9	1024.7	1018.8	1017.3	1018.3	1018.5	1018.4	1017.8	1016.1	1019.1	*1015.3	1015.	923.3
23.....	981.7	977.4	974.2	967.9	969.7	976.8	976.4	975.	976.7	978.9	978.6	980.	974.9	915.3
24.....	982.9	981.	979.3	983.5	982.5	989.1	989.9	987.9	985.9	981.5	988.4	987 2	979.4	913.6
25.....	997.6	992.3	992.5	992.7	991.3	999.9	998.9	998.8	993.7	997.8	998.	994.1	991.1	916.3
26.....	1017.8	1022.5	1003.7	989.7	1010.2	1000.5	993.3	995.8	990.7	993.9	989.9	993.5	1000.5	927.9
27.....	1012.8	1007.6	1002.3	1002.8	998.	995.5	996.5	996.9	996.2	997.4	996.8	992.3	996.6	925.3
28.....	1007.1	999.6	997.	995.2	992.1	989.	986.8	990.2	988.3	982 5	981.6	983.5	994.6	928.7
30.....	996.8	996.4	997.4	1008.9	996.1	992.5	998.4	1000.2	995.1	995.1	994.7	986.5	990.3	923.3
31.....	989.5	995.6	992.6	984.9	978.4	977.9	978.	985.1	975.5	979.1	977.1	984.9	979.5	917.7
Means.....	996.5	995.6	993.	992.2	991.8	992.	997.6	992.8	991.2	990.6	989.4	988.6	988.6	
Reduced to 32° F.	919.7	917.1	913.6	911.9	910.8	910.6	917.1	913.8	913.1	913.4	913.1	913.8		913.1

* Two minutes late.

Göttingen time Observatory time	*h. m.* 18 02 12 21½	*h. m.* 19 02 13 21½	*h. m.* 20 02 14 21½	*h. m.* 21 02 15 21½	*h. m.* 22 02 16 21½	*h. m.* 23 02 17 21½	*h. m.* 0 02 18 21½	*h. m.* 1 02 19 21½	*h. m.* 2 02 20 21½	*h. m.* 3 02 21 21½	*h. m.* 4 02 22 21½	*h. m.* 5 02 23 21½	Means.
Oct. 2	70.	70.8	71.1	71.7	72.1	72.8	72.9	72.2	71.6	70.9	70.5	69.7	69.7
3	65.3	65.3	65.2	65.3	65.4	65.4	65.1	64.4	63.7	63.	62.4	63.	65.3
4	68.5	68.5	69.	70.5	71.2	71.6	71.1	71.1	71.4	71.5	71.3	70.5	69.1
5	67.9	68.2	68.3	68.6	68.7	69.2	68.9	67.7	67.	66.3	65.4	64.7	68.5
6	63.9	64.9	66.	67.4	68.	68.5	68.6	68.2	68.2	68.2	67.8	67.5	64.3
7	65.1	65.2	65.2	65.6	65.6	65.8	66.	66.1	66.1	66.	65.9	65.6	65.6
9	68.5	69.3	70.	70.9	70.7	69.7	69.6	70.1	69.9	70.2	72.3	72.7	64.9
10	73.4	73.2	73.2	73.	72.9	73.2	73.	72.2	72.2	72.8	72.4	70.9	72.1
11	75.4	76.4	77.	76.9	77.4	78.2	78.	76.9	76.	75.3	74.5	73.7	73.8
12	76.3	77.5	77.	76.9	77.9	78.3	77.6	75.9	74.4	72.9	71.2	70.	74.
13	71.8	72.	70.1	69.4	69.8	70.3	69.9	68.4	67.6	67.1	66.5	66.1	70.3
14	63.6	64.5	64.8	65.3	65.2	65.7	65.4	65.	64.5	64.1	64.1	64.4	64.5
16	66.9	67.5	68.	68.2	67.9	68.	67.	66.4	66.1	65.9	65.6	65.3	64.9
17	66.	67.	67.	66.6	66.	65.6	64.3	63.6	63.1	62.9	62.7	62.4	64.3
18	66.6	67.6	67.5	67.3	67.1	66.6	66.2	66.	65.3	64.6	64.5	65.2	63.8
19	64.7	65.6	66.6	67.7	68.	68.3	67.5	*66.5	65.8	64.5	63.5	62.1	65.7
20	67.6	69.3	70.5	71.5	72.2	72.9	71.6	70.9	70.8	71.	72.1	72.3	66.9
21	74.	75.1	75.4	76.	76.6	76.7	76.4	75.9	75.5	75.4	75.	74.2	73.7
23	59.7	61.2	62.	62.6	63.1	64.2	64.4	64.3	64.	64.4	62.5	61.5	59.1
24	61.6	63.4	64.2	65.4	66.3	66.6	66.1	65.9	65.2	64.8	64.2	63.4	61.9
25	65.	65.9	66.8	67.8	68.7	69.	69.	68.7	68.7	68.2	67.5	66.5	66.
26	62.8	63.5	64.1	64.5	64.9	64.8	64.8	63.9	63.8	63.6	63.6	62.8	65.
27	65.8	66.5	67.1	67.4	67.2	67.1	66.9	66.4	65.2	64.3	63.8	63.2	64.4
28	64.3	65.3	65.8	65.9	65.5	65.4	64.8	63.5	62.7	62.5	62.6	62.5	63.3
30	64.2	64.7	65.	65.2	66.1	66.4	66.1	65.7	65.1	64.2	63.7	61.7	62.9
31	60.1	61.6	62.9	63.7	63.6	63.4	62.5	61.8	61.1	60.8	60.5	59.8	60.1
Means	66.9	67.7	68.1	68.5	68.8	69.	68.6	67.9	67.5	67.1	66.7	66.	66.3

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Means.	Reduced to 32° F.
Göttingen time..	18 04	19 01	20 04	21 04	22 04	23 01	0 04	1 04	2 04	3 04	4 04	5 04		
Observatory time.	12 23½	13 23½	14 23½	15 23½	16 23½	17 23½	18 23½	19 23½	20 23½	21 23½	22 23½	23 23½		
Oct. 2.....	749.	753.6	760.5	766.2	771.6	777.9	784.6	784.8	781.7	776.9	772.3	768.4	747.3	231.6
3.....	704.8	707.2	706.3	703.3	701.	705.6	704.6	702.5	696.6	688.	680.8	685.6	713.2	248.8
4.....	791.3	787.1	787.2	802.3	812.7	822.	824.5	827.4	830.3	835.1	836.6	836.8	799.4	241.9
5.....	773.	767.2	760.5	755.7	756.5	758.1	757.6	753.3	742.6	736.3	719.2	711.1	785.	247.7
6.....	666.4	680.	689.8	700.7	712.7	722.2	728.	730.3	728.7	728.3	726.5	727.	686.1	232.5
7.....	695.	693.8	691.1	691.6	696.4	698.2	699.5	700.7	701.3	702.3	703.4	704.6	702.5	249.
9.....	805.	810.	810.7	812.9	819.6	814.4	807 1	810.7	813.1	810.4	840.	858.3	736.7	238.5
10.....	860.2	857.7	853.7	847.8	842.6	841.1	844.	842.6	839.3	840.8	843.5	839.9	846.2	246.8
11.....	873.3	878.7	882.2	882.3	883.4	888.8	893.7	894.4	889 9	878.3	869.2	859.7	857.8	234.1
12.....	882.6	883.	882.7	877.3	873.4	876.3	878.	870.2	853.3	830.3	805.9	790.3	847.3	231.8
13.....	869.7	851.1	828.2	805.6	792.7	792.3	796.	788.8	781.3	771.2	769.6	767.9	817.4	235.6
14.....	706.6	716.6	722.4	728.2	730.5	733.5	736.2	731.6	729.5	725.1	725.7	745.	738.7	237.9
16.....	732.9	740.1	745.3	750.	747.7	751.	749.7	744.4	740.2	755.4	754.5	758.3	716.2	234.3
17.....	747.5	761.7	768.8	766.1	758.6	744.3	729.5	720.1	709.6	700.7	696.2	695.7	730.3	245.7
18.....	748.7	759.9	761.1	756.2	749.9	744.8	739.2	735.2	727.2	721.	720.9	724 5	712.7	240.2
19.....	717.3	723.8	732.6	742.7	753 5	760.7	761.5	756.2	756.6	728.	711.8	701.1	739.6	240.1
20.....	755.4	769.1	783.8	794.9	803.3	811.2	810.	805.	802.3	807.6	822.2	839.3	749.8	226.
21.....	822.4	837.	843.9	846.9	851.4	857.5	859.8	858.4	853.7	848.3	845.	841.4	839.2	233.
23.....	656.7	679.7	696.8	706.6	715.5	727.7	737.2	738.8	737.9	732.	726.1	717.	657.	245.3
24.....	690.	706.7	726.1	729.9	740.8	749.4	752.1	749.3	744.	755.9	728.6	723.2	707.6	251.3
25.....	729.1	732.4	743.	753.7	766.5	775.7	779.8	780.4	779.	775.5	772.4	764.2	748.	245.8
26.....	713.8	713.9	721.1	725.	729.6	735.3	735.4	734.9	729.3	722.9	727.5	709.5	745.8	253.1
27.....	748.5	753.8	762.7	769.6	770.3	771.5	771.	768.6	761.4	746.2	736.4	730.5	736.2	247.5
28.....	729.3	736.	742.4	743.5	742.4	741.8	737.	725.6	712.4	703.2	700.5	703.7	720.3	246.5
30.....	726.4	726.1	726.1	721.2	726.5	732.1	734.7	734.4	730.7	724.	714.2	708.5	706.4	244.7
31.....	682.2	695.5	710.7	722 6	728.5	730.5	726.9	726.6	710.7	699.5	695.2	692.3	688.5	239.1
Means.....	752.9	758.5	763.2	765.7	767.7	771.7	772.2	769.8	764.7	759.4	755.5	754.	749.	
Reduced to 32° F.	229.1	226.6	228.6	227.	227.7	234.4	240.3	247.4	247.7	245.1	245.2	249.1		241.

Greenwich time / Observatory time	h. m. 6 04 0 23½	h. m. 7 01 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
1. 2	67.5	67.3	67.5	*68.1	*68.2	68.2	68.	68.1	68.7	69.2	69.5	70.1
3	69.9	69.9	68.3	67.8	65.6	66.4	66.	65.8	65.8	66.1	66.4	66.7
4	69.	72.3	74.7	74.8	73.	70.7	69.9	70.6	72.3	72.6	72.1	72.4
5	75.1	75.3	76.2	75.3	74.2	73.1	72.9	73.2	73.6	73.	72.	71.6
6	65.2	61 5	63 7	63.1	62.5	61.8	61.2	61.3	61.4	62.	62.8	64.2
7	*67.4	67. 5	67..3	66.9	66.7	66 5	66.3	66.1	66.1	65.8	65 9	65.9
9	60.4	59.8	59.2	58.4	57.6	57.1	57.8	60.5	65.8	70.5	72.7	74.
10	78.2	78.6	78 5	78.	76.7	75.	73.4	72.7	74.	75.8	77.8	78.8
11	73.9	73.7	74.4	75.1	76.2	76.8	76.	75.9	76.1	77.2	78.8	80.
12	75.5	75.9	75.	75.5	75.5	75.9	76.2	75.8	76.6	78.3	80.	80.8
13	71.7	72.1	73.4	75.1	77.5	77.9	79.3	79.1	79.1	78.2	79.	79.6
14	72.3	73.5	73.7	72.9	70.8	69.5	68.1	66.8	65.7	65.3	65.	66.8
16	63.5	64.	64.4	64.5	64.5	64.5	64.8	65.6	66.7	67.5	68.5	69.5
17	67.5	67.2	67.1	67.4	67.8	67.	66.	66.5	67.9	68.7	68.9	69.5
18	64.5	64.4	64.4	64.8	64.8	64.	62.8	62.3	63.2	64.6	67.2	70.6
19	69.9	71.1	*71.2	70.2	70.	69.6	68.8	68.	67.5	67.2	67.4	67.7
20	63.9	63.9	*65.3	66 5	67.2	66.8	65.8	66.3	67.4	68.5	69 4	70.6
21	77.9	78.	77.6	77.1	76.6	76.	74.5	73.8	73.8	73.1	74.	76.3
23	60.8	59.8	58 8	57.8	56.8	55.7	55.1	55.6	57.	58.2	59.5	62.4
24	63.9	63.	63.1	64.	64.	63.4	62.7	62.1	62.2	62.5	63.1	64.7
25	66.	65.9	66.8	69.	69.1	69.2	68.7	68.3	68.	67.5	67.4	67.4
26	69.1	70.	71.5	72.9	73.1	71.9	70.5	69.6	68.8	67.9	66.4	66.
27	64.5	64.5	65.4	66.6	67.	66.2	66.3	66.5	67.	68.3	68.5	69.2
28	66.3	66.7	66.7	65.8	65.9	66.	66 2	66.	66.	66.	66.8	68.3
30	62.1	63.	64.1	65.	65.1	64.6	63.8	63.4	65.1	66.1	66.9	67.7
31	64.7	64.1	63.7	63.5	62.8	62.2	61.	59.8	59.8	60.6	62.	64.8
Means	68.5	68.3	68.7	68.7	68.4	67.9	67.4	67.3	67.9	68.5	69.2	70.2

* Supplied.

Göttingen time Observatory time	*h. m.* 18 04 12 23½	*h. m.* 19 04 13 23½	*h. m.* 20 04 14 23½	*h. m.* 21 04 15 23½	*h. m.* 22 04 16 23½	*h. m.* 23 04 17 23½	*h. m.* 0 04 18 23½	*h. m.* 1 04 19 23½	*h. m.* 2 04 20 23½	*h. m.* 3 04 21 23½	*h. m.* 4 04 22 23½	*h. m.* 5 04 23 23½	Means.
Oct. 2	70.9	71.6	72.1	72.8	73.2	73.5	73.4	72.7	72.2	71.8	71.2	70.4	70.2
3	67.2	66.9	66.9	66.9	67.1	66.7	66.2	65.4	64.8	63.2	64.	64.7	66.4
4	72.3	71.7	73.	74.9	75.4	75.4	74.7	75.2	75.4	75.5	75.4	75.1	73.3
5	71.4	71.3	71.2	71.3	71.4	71.3	70.7	69.5	68.8	67.9	67.	66.1	71.8
6	66.1	66.5	67.7	69.	69.4	69.4	69.6	69.1	68.9	69.	68.7	68.3	65.6
7	65.9	66.	66.	66.3	66.2	66.3	66.5	66.5	66.4	66.7	66.7	66.4	65.6
9	74.	74.5	74.8	75.5	74.9	73.8	73.7	74.1	74.1	76.	77.5	78.1	68.9
10	78.3	77.9	77.5	77.2	76.9	77.1	76.6	76.	76.1	77.	76.4	74.9	76.4
11	80.3	80.7	81.2	80.9	81.3	81.9	81.4	80.4	79.4	79.	78.	77.8	78.2
12	80.4	81.4	80.6	80.2	81.2	81.1	*79.8	78.3	76.6	75.1	73.5	72.3	77.6
13	77.	77.	74.8	73.8	74.	74.3	73.4	71.9	71.2	71.1	70.8	71.1	75.1
14	68.3	69.7	69.2	69.7	69.8	69.7	69.4	69.	68.1	68.	68.3	69.3	69.1
16	70.4	70.4	70.8	70.8	70.5	69.8	69.4	69.	68.8	68.9	69.	68.9	67.7
17	71.	71.7	71.3	70.1	69.6	68.	67.2	66.6	65.9	65.8	65.8	65.3	67.9
18	71.	71.8	70.9	70.3	69.6	69.1	69.8	68.3	67.6	67.1	67.7	68.8	67.
19	68.4	69.1	70.2	71.3	70.6	70.3	70.6	*69.2	*67.9	67.	66.1	64.9	69.
20	71.8	73.3	74.2	75.1	75.6	75.3	74.2	74.	73.8	75.	76.9	77.4	70.8
21	77.8	78.4	78.4	78.8	79.3	*79.	78.6	78.	77.6	77.4	77.	76.4	76.9
23	64.4	66.1	66.8	67.2	67.7	68.3	68.7	67.4	68.	67.2	66.5	65.1	62.5
24	66.6	68.2	68.5	69.	70.2	70.2	69.4	68.9	68.3	68.7	67.1	66.3	65.8
25	67.7	69.2	70.	71.	71.4	72.	71.9	71.5	71.6	71.3	70.6	69.4	69.2
26	66.4	67.4	67.8	68.2	68.4	68.4	68.3	67.3	67.3	66.9	65.8	65.	68.5
27	69.9	70.6	71.2	71.3	71.	71.	70.8	70.	69.8	68.5	67.5	66.8	68.2
28	68.7	69.7	69.9	69.9	69.4	68.9	67.9	66.4	65.4	65.6	65.9	65.9	67.1
30	68.	68.	67.8	68.	69.	69.	68.8	68.1	67.7	66.8	65.9	65.9	66.2
31	65.8	67.	68.2	68.9	68.4	68.	66.7	65.9	65.1	65.	64.6	64.8	65.3
Means	70.8	71.4	71.6	71.9	72.	71.8	71.4	70.7	70.3	70.1	69.8	69.4	69.6

* Supplied.

Göttingen time...	h. m. 6 00	h. m. 7 00	h. m. 8 00	h. m. 9 00	h. m. 10 00	h. m. 11 00	h. m. 12 00	h. m. 13 00	h. m. 14 00	h. m. 15 00	h. m. 16 00	h. m. 17 00
Observatory time.	0 19½	1 19½	2 19½	3 19½	4 19½	5 19½	6 19½	7 19½	8 19½	9 19½	10 19½	11 19½
Nov. 1	538.9	537.2	538.	538.9	538.2	537.9	540.5	515.6	543.5	545.8	513.1	539.9
2	540.9	539.2	541.	540.6	542.	542.3	542.1	546.5	546.2	545.2	542.6	535.1
3	538.5	538.1	542.9	534.8	539.7	535.1	530.2	542.7	540.	540.2	536.	534.9
4	536.7	539.	538.8	539.7	540.5	542.2	538.7	544.4	545.5	542.3	539.5	537.2
6	511.8	543.6	543.2	543 2	545.	547.8	546.2	549.9	549.4	543.9	539.8	535.8
7	540.1	538.2	538.	538.2	540.	540.4	542.8	546.2	545.6	542.1	536.9	530.4
8	539.9	540.	510.	541.2	543.	542.6	542.8	546.1	548.9	546.	540.2	535.
9	531.9	542.9	539.2	540.	542.	536.2	544.9	547.9	546.4	513.7	541.3	536.8
10	539.1	538.2	540.	538.4	539.7	542.2	544.7	544.4	547.4	544.1	539.5	536.4
11	†539.	†539.5	†539.5	†539.6	540.7	510.	537.8	541.6	543.1	542.	537.4	533.7
13	535.7	546.	538.4	539.9	534.	539.6	539.1	539.8	539.1	540.8	*526.7	522.8
*14	536.5	535.2	534.7	534.8	540.	537.6	537.1	541.7	539.4	538.8	536.1	531.4
15	536.3	536.4	534.2	540.5	536.1	534.3	536.6	540.	540.8	538.7	537.2	533.2
16	539.9	538.5	537.2	538.	540.	537.5	539.8	541.4	542.1	442.8	541.4	536.9
17	539.3	542.2	537.5	538.7	536.6	536.3	511.6	542.	542.2	541.9	539.5	535.8
18	537.8	538.8	540.	542.	540.2	510.5	511.6	542.6	543.2	539.6	533.1	530.9
20	538.7	538.5	539.2	538.4	538.	538.8	538.9	542.1	541.2	538.9	534.4	531.2
21	537.6	533.9	534.5	531.9	538.	540.4	540.2	514.7	544 2	541.7	536.	525.4
22	535.9	536.	537.4	535.5	536.7	538.2	538.5	541.4	535.5	534.9	533.3	528.3
23	535.5	530.6	533.2	533.7	534.5	534.8	537.	542.9	540.8	535.4	531.6	528.5
24	534.7	535.	535.3	534.	537.7	540.4	541.4	537.2	540.2	548.6	534.5	531.
25	530.	529.9	531.6	533.5	535.5	535.1	539.8	‡540.5	535.7	534.5	530.9	528.7
27	537.1	536.5	535.2	534.4	533.	534.8	537.1	542.7	538.8	539.8	536.4	532.1
28	540.6	537.1	537.5	538.	537.4	538.2	538.5	542.8	544.2	541.4	538.5	535.5
29	536.	539.	541.	539.4	540.7	541.	541.8	542.8	541.9	542.6	537.9	536.2
30	538.4	536.4	537.6	538.	538.	539.8	540.6	540.5	541.4	541.6	§541.2	539.2
Means	537.6	538.	537.9	537.9	538.7	539.	540.	543.1	542.6	541.4	537.1	533.2

* See disturbance observations. † Supplied. ‡ Four minutes late. § Twelve seconds late.

November.]

Göttingen time. Observatory time.	h. m. 18 00 12 19½	h. m. 19 00 13 19½	h. m. 20 00 14 19½	h. m. 21 00 15 19½	h. m. 22 00 16 19½	h. m. 23 00 17 19½	h. m. 0 00 18 19½	h. m. 1 00 19 19½	h. m. 2 00 20 19½	h. m. 3 00 21 19½	h. m. 4 00 22 19½	h. m. 5 00 23 19½	Means.
Nov. 1	535.7	533.3	533.2	534.7	536.4	537.	538.3	540.4	537.7	541.6	543.1	543.6	539.3
2	532.8	532.5	532.5	533.3	534.1	531.2	552.2	544.	538.7	538.1	540.6	549.1	540.1
3	531.2	530.6	529.9	532.2	533.6	535.4	536.	536.5	535.9	535.3	536.7	537.1	536.
4	535.2	534.2	533.1	533.8	534.9	537.1	538.6	538.5	539.	538.4	537.7	537.2	538.4
6	533.8	533.	532 8	535.6	536.6	537.3	537.9	540.1	538.8	539.4	540.3	539.5	540.6
7	531.1	529.4	533.9	537.8	539.1	541.1	542.	542.	544.3	541.9	542.	540.5	539.3
8	536.4	534.1	534.	534.3	533.7	539.	540.4	543.2	559.	563.8	539.7	540.8	541.8
9	533.5	533.1	533.5	535.1	536.7	537.6	537.9	538.1	538.8	539.3	541.9	539.1	539.1
10	534.5	534.3	536.5	537.8	539.8	540.2	540.6	539.5	539 2	540.9	539.6	540.3	539.9
11	532.4	531.9	534.2	535.5	536.1	535.	536.1	536.7	536.4	536.2	536.4	535.1	537.3
* 13	522.4	522.1	523.6	525.4	530.6	532.6	535.	536.3	552.	543.2	537.7	536.1	534.9
14	528.8	528.4	529.3	529.3	528.5	528.5	533.3	534.4	535.7	536.3	536.6	537.3	534.6
15	531.3	529.4	531.	529.8	531.9	533.6	532.8	535.9	543.2	539.8	537.2	538.7	535.9
16	534.3	532.6	534.8	532.1	534.4	535.9	540.9	538.6	537.7	537.4	537.4	543.4	538.1
17	535.2	536.6	538.5	538 6	537.8	540.2	541.4	542.9	541 6	546.6	543.3	536.9	539.7
18	526.8	528.1	530.5	532.3	534.1	535.5	537.3	537.7	537.1	536.9	536.9	536.7	536.7
20	529.5	528.9	530.2	531.4	531.7	533.3	533.2	534.9	536.1	537.9	537.2	537.4	535.8
21	528.	529.9	531.5	533.4	533 7	534.3	535.8	536.7	536.5	536.8	537.8	536.9	535.8
22	528.5	530.1	531.2	533.9	534.2	535.6	535.8	536.1	535.	534.6	532.3	535.9	534.9
23	527.	527.8	529.7	532.7	535.4	536.2	537.	535.9	537.1	536.7	536.2	535.2	534.4
24	530.9	531.5	533.4	535.8	538.	540.2	539.5	544.	540.2	542.4	538.6	536.3	537.5
25	526.4	526.6	528.7	530.9	532.8	534.5	537.1	539.1	540.3	539.9	538.1	539.1	534.1
27	527.5	526.9	529.6	537.3	538.4	539.2	539.	540.4	539.4	539.2	538.2	542.2	536.5
28	530.1	527.	526.8	529.2	535.	536.2	536.	535.4	536.3	537.5	535.8	536.7	536.3
29	536.5	534.9	536.4	537.5	537.5	538.2	538.7	542.8	544.3	539.3	539.6	544.8	539.6
30	536.6	535.5	532.9	533.3	535.7	537.3	538.8	538.8	539.5	539.	541.2	542.	538.5
Means	531.4	530 9	532.1	533.6	535.1	536.2	538.1	538.8	540.	539.9	538.6	539.1	537.5

* See disturbance observations.

Göttingen time... / Observatory time..	*h. m.* 6 02 / 0 21½	*h. m.* 7 02 / 1 21½	*h. m.* 8 02 / 2 21½	*h. m.* 9 02 / 3 21½	*h. m.* 10 02 / 4 21½	*h. m.* 11 02 / 5 21½	*h. m.* 12 02 / 6 21½	*h. m.* 13 02 / 7 21½	*h. m.* 14 02 / 8 21½	*h. m.* 15 02 / 9 21½	*h. m.* 16 02 / 10 21½	*h. m.* 17 02 / 11 21½
Nov. 1.....	981.2	964.6	974.7	975.	969.2	963.7	961.2	963.9	965.9	969.5	969.1	970.3
2.....	987.8	981.2	987 7	992.7	986.	983.6	983.9	986.	989.3	991.2	984.2	994.1
3.....	1001.5	994.6	995.	984.	985.	977.4	975.6	969.5	979.	982.7	978.	975.7
4.....	973.4	974.	973.4	969.9	968.9	963.1	965.3	961.6	958.8	961.4	958.1	960.9
6.....	949.9	950.1	947.5	943.7	942.7	941.6	936.5	941.1	951.6	958.8	959.2	972.
7.....	971.8	974.5	974.3	975.4	975.1	973.4	971.6	976.6	982.8	991.8	1001.2	995.6
8.....	970.6	972.7	972.	971.1	969.5	966.3	971.	971.	974.	969	984.4	981.
9.....	978.4	980.1	975.5	972.5	974.1	973.2	960.1	966.9	977.7	984.1	981.7	982.8
10.....	974.8	975.5	‡978.	§977.2	985.	980.	977.7	980.9	983.9	991.5	994.7	994.6
11.....	†992.3	†990.3	†988.6	†986.1	983.9	983.3	984.2	983.5	991.	993.8	999.	1001.3
13.....	951.7	950.	949.7	959.6	961.9	955.5	955.7	958.2	965.	980.8	*1014.5	1005.8
*14.....	972.6	973.2	972.	971.2	966.9	966.2	965.1	960.1	967.5	982.3	979.9	979.1
15.....	970.3	973.7	968.2	963.7	962.2	959.	957.2	962.5	967.9	978.1	978.8	969.7
16.....	988.9	985.7	984.	983.6	981.	979.5	978.4	979.2	987.6	995.	986.4	988.7
17.....	993.2	1000.7	998.7	993.8	992.6	992.7	995.2	997.3	1002.9	1006.4	1006.1	1009.
18.....	1004.1	1008.5	1004.2	1008.	1007.5	1006.9	1008.	1013.	1017.6	1024.5	1023.3	1022.4
20.....	990.	987.5	984.5	976.2	971.	970.	970.	975.6	981.7	984.3	988.9	987.8
21.....	988.8	997.	995.6	991.9	994.2	994.7	998.1	1007.	1013.5	1014.4	1016.7	1015.
22.....	999.6	998.2	997.2	991.2	988.2	989.6	989.6	996.	994.9	995.7	992.9	996.1
23.....	995.5	987.7	983.7	983.9	984.	983.6	982.6	987.5	995.5	990.8	986.8	987.1
24.....	994.9	997.5	994.2	993.9	992.	992.7	998.	1011.	1008.2	1015.4	1023.	1019.6
25.....	1000.2	998.5	1004.	1006.2	1005.	1000.7	1003.3	1005.1	1004.7	1013.5	1018.9	1015.2
27.....	968.7	969.9	968.2	969.	965.2	971.3	974.6	973.4	969.8	975.6	977.5	985.4
28.....	967.1	957.1	955.2	952.7	950.5	950.8	951.5	955.3	956.8	960.8	965.2	973.1
29.....	972.1	973.8	970.5	966.2	965.8	965.7	968.9	980.1	975.1	978.1	976.3	979.1
30.....	982.7	980.2	977.2	975.5	972.	973.8	973.	974.6	968.9	971.8	975 8	979.7
Means.....	981.6	980.6	979.8	978.2	976.9	975.3	975.2	978.3	982.	986.9	989.3	990.1
Reduced to 32° F..	922.6	921.4	920.2	918.4	917.1	915.	914.9	918.7	922.4	926.6	928.4	927.8

* Disturbance observations. † Supplied. ‡ Six minutes late. § Two minutes late.

HORIZONTAL FORCE MAGNETOMETER—Continued.

Göttingen time. Observatory time.	h. m. 18 02 13 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 03 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.	Reduced to 32° F.
Nov. 1	978.2	983.9	982.6	979.1	976 6	979.6	981.2	984.6	983.3	991.5	991.4	993.	976.3	914.5
2	993.1	1002.	997.9	992.5	994.3	1013.1	1018.2	1021.7	999.6	999.3	1000.5	1007.1	995.3	920.1
3	975.	977.7	986.	977.8	973.6	971.4	972.3	972.7	972.1	975.9	974.6	973.8	979.2	915.6
4	959.9	951.5	961.2	956.2	961.8	961.1	964.6	965.4	967.4	965.4	968.3	969.8	964.3	907.5
6	971.4	970.1	970.8	968.5	970.7	971.1	973.8	972.	971.3	971.6	974.3	973.8	960.6	917.3
7	993.3	997.3	981.2	982.6	977.5	976.7	976.8	977.3	978.3	977.5	974.	974.1	980.6	922.5
8	981.7	977.4	977.4	979.1	982.9	978.3	982.	983.3	982.2	961.8	984.6	978.2	976.	921.7
9	983	980.6	975.8	971.5	970.5	968.4	969.9	970.9	971.2	974.2	970.8	971.4	974.4	924.9
10	990.7	987.1	983.	982.1	980.6	983.5	985.4	990.	993.1	994.1	998.8	997.3	985.8	922.4
11	1001.7	998.7	996.2	992.8	990.4	986 8	985.4	985.1	986.6	988.6	985.1	985.9	990.1	922.3
*13	990.8	991.2	982.7	1004.3	986.5	984.1	984.6	983.2	979.8	988.1	979.9	975.4	976.6	928.4
14	975 6	971.6	970.3	965.3	961.5	997.2	979.5	971.1	971.1	971.6	972.6	973.	972.4	925.8
15	973.1	976.6	978.6	979.7	977.1	974.7	977.	979.8	988.9	986.8	989.3	985.1	974.1	922.2
16	988.5	997.8	999.8	998.8	998.2	998.5	990.6	992.	990.6	995.6	995.9	996.9	990.	924.2
17	1009.3	1007.3	1005.2	1005.2	1000.9	995.8	996.6	1000.5	999.8	997.4	994.1	1005.8	1000.3	924.2
18	1018.5	1010.2	1008.4	1010.8	1012.	1013.2	1009.9	1012.5	1009.5	1007.9	1007.5	1004.3	1011.4	924.1
20	985.5	986.4	983.5	982.8	984.3	984.5	989.9	988.8	988.3	991.1	994.5	998.	984.4	921.7
21	1009.8	1005.9	1009.2	1007.4	1003.8	1000.3	1001.2	1003.	1002.6	999.9	1000.4	1000.1	1002.9	925.2
22	992.5	985.6	979.1	979.4	983.4	981.3	979 6	981.4	983.4	988.4	984.3	990.	989.1	921.6
23	987.	988.2	996.4	1000.	997.	995.9	994.6	993.3	989.3	991.2	993.3	994.5	990.4	920.9
24	1013.5	1013.3	1008.1	1014.9	1007.7	1001.7	1008.6	1013.7	1011.5	1009.7	1008.8	1005.8	1006.6	938.1
25	1012.6	1007.1	1001.6	998.7	997.	995.6	998.4	998 2	996.4	993.4	990.2	981.3	1001.9	923.6
27	991.	990.5	987.5	979.1	970.3	970.	967.2	967.3	963 4	962.1	964.9	964.9	972.8	916.
28	980.2	980.	979.1	971.6	973.1	969.7	964.3	959.2	966.2	973.8	969.9	971.7	964.8	914.4
29	981.	985.1	983.1	977.2	975.8	974.9	982.5	979.1	993.9	982.	984.	981.7	977.1	917.9
30	976.2	978.4	977.2	987.2	982.8	978.2	980.	979.2	979.5	981.9	983.7	979.	977.8	917.3
Means	989.1	988.6	987.1	986.3	984.3	984.8	985.1	985.6	985.4	985.4	986.	985.8	983.7	
Reduced to 32° F.	927.3	923.	920.2	918.8	917.2	918.1	919.1	920.5	920.7	921.2	922.2	922.7		921.

* See disturbance observations.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time...	6 02	7 02	8 02	9 02	10 02	11 02	12 02	13 02	14 02	15 02	16 02	17 02
Observatory time..	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
Nov. 1.....	63.7	58.8	59.9	58.	57.3	57.	56.9	56.4	56.4	56.6	56.5	57.4
2.....	63.7	64.5	66.	66.5	66.5	66.	67.2	67.2	67.8	67.3	66.8	67.
3.....	63.2	63 8	64.1	62.4	61.7	60.5	59.8	59.8	59.8	59.6	59.	59.2
4.....	59.3	59.	58.2	57.5	56.8	55.4	51.6	54.1	53.8	53.8	54.4	55.5
6.....	44.8	44.5	44.2	44.1	44.3	44.6	44.6	44 6	46.	47.7	49.5	52.3
7.....	57.9	59.2	59.3	59.2	59.	58.2	58.5	58.2	58.	57.9	57.7	57.9
8.....	56.7	56.9	56.8	56.4	55.7	55.	55.2	55.	55.	56.7	58.7	59.
9.....	54.1	53.9	53.7	53.7	53.2	52.3	51.8	51.5	51.7	52.1	52.6	53.6
10.....	58.	59.	59.3	59.4	59.5	59.	58.5	58.2	58.6	58.9	59.	59.2
11.....	*61.9	*61.9	*62.1	*62.1	62.1	61.8	61.7	61.7	61.8	61.9	62.	62.1
13.....	42.8	45.5	48.	52.	52.9	53.8	53.6	53.5	54.	54.6	54.5	55.1
14.....	53.8	53.7	53.2	52.	51.4	51.2	51.5	52.2	53.1	53.8	53.4	52.8
15.....	52.6	52.2	51.2	50 8	50.6	50.8	51.2	51.3	51.6	51.8	52.7	54.
16.....	60.4	60.1	59.8	59.7	60.	60.4	61.	61.2	62.	61.	60.7	60.9
17.....	64.2	64.3	64.2	63.4	64.	65.7	66.3	66.6	66.4	66.3	66.3	66.3
18.....	70.5	70.6	71.2	71.9	71.9	71.7	71.5	71.6	71.8	72.5	73.	73.4
20.....	58.	56.6	55.4	54.3	53.6	53.9	54.1	55.	55.8	57.3	58.5	60.2
21.....	63.9	64.8	66.3	66.5	67.3	69.4	70.3	69.	68.1	67.8	67.5	66.6
22.....	*63.4	64.	63.	62.6	63.7	63.9	63 2	61.8	60.8	61.4	61.5	61.4
23.....	61.6	61.3	61.7	62.2	61.7	61.9	61.	59.8	59.	58.7	60.6	64.2
24.....	65.4	65.4	65.3	66.6	67.3	68.9	71.1	71.3	70.9	70.1	69.3	68.5
25.....	68.7	71.	72.5	71.6	70.2	69.	68.	67.2	67.	68.2	68.7	68.7
27.....	55.1	55.5	56.8	58.6	59.4	60.8	60.1	58.6	57.9	58.5	58.8	60.8
28.....	50.5	49.5	49.8	51.3	51.4	52.9	53.	52.9	52.8	53.	53.4	53.8
29.....	57.9	58.	57.4	56.8	58.	59.3	59.5	58.8	58.3	58.4	58.2	58.7
30.....	58.2	58.3	58.1	58.6	60.2	60.6	60.4	59.6	58.8	59.	59.	59.
Means.....	58.8	58.9	59.1	59.2	59.2	59.4	59.4	59.1	59.1	59.4	59.7	60.3

* Supplied.

Göttingen time... / Observatory time	h. m. 6 04 / 0 23½	h. m. 7 04 / 1 23½	h. m. 8 04 / 2 23½	h. m. 9 04 / 3 23½	h. m. 10 04 / 4 23½	h. m. 11 04 / 5 23½	h. m. 12 04 / 6 23½	h. m. 13 04 / 7 23½	h. m. 14 04 / 8 23½	h. m. 15 04 / 9 23½	h. m. 16 04 / 10 23½	h. m. 17 04 / 11 23½
Nov. 1	684.2	680.7	677.2	674.9	666.6	661.8	659.3	653.5	643.9	646.3	644.4	646.4
2	714.4	724.1	743.1	757.4	760.5	765.	771.2	773.7	813.9	820.	817.1	814.2
3	769.8	770.	768.2	765.4	755.9	747.7	736.4	725.7	718.1	715.2	710 5	704.3
4	713.7	704.7	697.8	693.5	684.7	669.6	657.9	648.7	636.4	632.8	634.4	645.
6	525.7	520.9	518.	518.	522.5	526.4	527.1	526.3	535.1	552.4	577.2	610.7
7	689.5	702.7	709.5	711.	708.7	704.7	702.2	699.7	696.3	699.2	698.5	694.8
8	679.3	680.9	682.	681.3	676.	668.5	665.3	659.8	654.4	667.4	684.8	697.8
9	656.1	650.5	641.2	640.	637.	630.	623.3	611.9	604.9	605.1	604.8	608.9
10	685.9	695.	701.1	705.4	707.6	707.	698.7	692.9	689.4	691.1	691.2	688.6
11	†750.5	†740.1	†743.1	†747.	749.7	747.5	743.3	740.9	739.4	738.7	734.9	731.5
13	†460.	500.	558 5	590.9	657.7	657.2	662.	660.	660.6	666.5	†670.2	670.5
*14	653.1	650.	645.1	635.	628.	621.9	621.	624.6	632.9	643.7	645.5	643.3
15	647.4	638.	628.1	623.	617.1	617.7	622.1	625.2	625.	626.4	628.7	640.
16	740.9	732.2	726.1	725.1	728.	733.9	739.9	745.5	744.2	743.5	737.6	732.9
17	782.6	777.	773.1	776.	783.	792.4	801.3	807.2	806.5	816.6	813.2	809.8
18	865.7	863.	867.	879.	881.	879.6	877.	873.6	873.6	882.	889.8	895.3
20	682.2	657.	637.	622.	616.1	620.6	627.	642.3	656.	676.3	694.3	712.6
21	783.7	787.4	807.2	820.	829.	852.4	873.7	875.2	860.5	849.4	841.	827.2
22	802.5	790.2	779.	770.1	771.3	788.2	790.8	780.3	754.4	748.8	746.	742.5
23	761.	752.	755.	765.	764.	767.8	762.3	741.3	718.6	704.7	714.	757.1
24	787.8	783.1	781.4	794.	802.	820.1	855.6	866.3	863.1	855.2	835.7	814.6
25	789.1	846.	898.7	908.9	894.3	878.	865.8	851.4	838.3	840.3	843.	845.9
27	643.3	645.	667.	702.	723.	731.5	731.1	737.	722.2	727.4	733.9	760.7
28	614.7	602.	602.4	622.	630.	652.5	659.6	658.8	650.2	646.1	648.8	644.2
29	708.3	702.	694.5	690.1	700.1	719.6	730.7	726.4	715.9	713.3	708.3	710.2
30	701.	698.7	695.2	707.	732.	746.1	750.	744.1	730.1	732.7	717.8	711.3
Means	703.5	703.6	707.5	712.5	716.1	719.5	721.3	718.9	714.8	717.	717.9	721.6
Reduced to 32° F.	290.5	286.3	284.9	288.6	290.9	287.5	290.6	295.	290.9	290.5	287.2	280.2

* See disturbance observations.

† Supplied.

Göttingen time. Observatory time.	h. m. 18 02 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
Nov. 1	655.6	669.6	682.3	692.8	701.7	708.3	711.8	707.4	700.3	696.9	701.7	710.5	678.3	249.
2	810.1	802.3	802.3	801.4	802.5	802.9	800.	794.3	790.8	785.	781.3	776.8	784.3	272.6
3	707.6	715.3	724.	730.	730.7	739.1	738.5	734.2	726.6	719.1	715.6	717.2	722.7	285.9
4	661.	681.3	695.6	702.	703.7	703.5	704.2	705.9	701.1	708.4	713.	728.1	684.5	280.8
6	642.3	666.	682.3	690.9	696.5	698.2	697.2	693.3	687.	681.8	679.4	680.4	610.6	286.6
7	694.	696.2	707.3	711.6	712.	714.1	716.2	715.3	713.3	693.7	680.4	676.7	701.9	294.2
8	700.4	692.5	700.1	700.	696.	691.7	683.4	675.	669.9	669.	663.6	660.	679.1	295.7
9	617.7	629.9	638.2	641.9	642.5	641.6	646.2	647.4	651.5	659.2	668.1	677.4	636.5	288.2
10	690.2	691.2	697.6	709.	720.5	736.2	748.9	763.1	767.2	771.	771.4	769.3	715.4	284.7
11	731.3	733.4	742.9	754.7	765.9	773.6	779.3	776.8	772.4	763.3	754.6	749.3	750.1	293.7
*13	681.	688.7	689.9	695.1	697.8	696.6	692.	684.	678.1	670.2	660.5	654.5	650.6	298.3
14	638.1	636.	645.	656.2	660.2	662.5	663.2	†653.6	653.1	652.6	652.6	652.3	644.5	297.6
15	656.1	672.5	693.9	708.2	721.5	731.3	735.7	738.1	738.7	735.9	737.4	741.9	672.9	293.6
16	735.7	740.1	745.5	751.3	755.	760.6	767.3	773.5	775.5	772.	771.6	780.5	748.3	296.1
17	806.9	804.3	805.4	805.1	798.1	798.4	810.5	830.4	843.5	852.9	860.2	864.8	809.1	293.4
18	895.5	895.2	904.7	909.2	906.7	901.8	890.5	874.6	858.3	838.2	820.3	804.2	876.1	292.9
20	733.9	751.2	772.5	788.4	795 5	800.3	807.	812.5	807.5	800 3	794.	789.5	720.7	280.6
21	817.5	820.	823.6	825.2	837.1	843.4	845.3	843.2	837.4	831.	822.1	813.5	831.9	291.9
22	748.8	746.9	779.3	823.4	824.3	814.1	801.2	790.3	779.9	771.6	765.	765.	778.1	293.4
23	804.8	823.1	834.5	831.5	824.1	812.6	801.	788.4	786.	787.6	790.3	787.6	776.4	283.7
24	800.	787.2	779.9	775.2	771.4	767.1	760.8	756.4	755.3	758.7	759.9	764.7	795.2	279.5
25	843.9	843.8	848.7	855.8	856.8	854.7	840.6	820.8	788.9	758.5	735.8	730.1	836.6	284.4
27	798.	822.	815.1	787.9	757.	731.4	703.9	675.	647.1	631.3	625.9	623.8	714.3	283.6
28	647.6	669.	688.3	696.7	690.7	686.5	676.2	677.9	700.9	711.7	710.1	714.6	662.6	281.9
29	713.4	716.5	718.7	729.7	733.5	733.3	730.6	724.4	711.4	702.7	702.6	705.2	714.2	289.
30	711.2	722.9	731.	733.3	731.8	729.1	727.2	724.1	719.9	711.8	702.6	699.3	722.3	290.3
Means	728.6	735.3	744.2	750.3	751.3	751.3	749.2	745.4	740.8	735.9	732.3	732.2	728.	
Reduced to 32° F.	276.4	270.9	271.7	279.1	285.6	291.	291.5	293.2	291.3	289.1	289.5	290.8		286.6

* See disturbance observations.

† Registered 633.6.

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	3 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Nov. 1.....	543.1	543.5	544.	967.8	965.9	967.2	56.4	644.1	643.9	644.	61.1
2.....	545.8	546.2	546.2	989.	989.3	992.7	67.8	808.2	813.9	814.8	71.5
3.....	540.2	540.	539.6	976.2	979.	979.5	59.8	718.7	718.1	717.6	63.5
4.....	545.6	545.5	545.4	959.4	958.8	959.2	53.8	637.4	636.4	635.4	57.9
6.....	549.6	549.4	549.3	950.	951.6	955.3	46.	533.7	535.1	536.2	50.5
7.....	545.2	545.6	545.4	983.1	982.8	983.1	58.	696.2	696.3	696.1	62.
8.....	548.	548.9	548.4	974.	974.	975.5	55.	654.1	654.4	654.8	59.2
9.....	545.8	546.4	546.5	977.6	977.7	977.8	51.7	605.2	604.9	604.	55.1
10.....	546.4	547.4	547.	984.	983.9	984.5	58.6	689.6	689.4	689.4	61.6
11.....	542.8	543.1	543.1	990.4	991.	990.4	61.8	739.5	739.4	739.4	65.
13.....	541.2	539.1	539.2	963.8	965.	968.2	54.	660.5	660.6	661.1	58.9
14.....	540.6	539.4	540.4	965.9	967.5	968.	53.1	632.5	632.9	634.5	57.7
15.....	541.3	540.8	540.6	967.4	967.9	968.9	51.6	624.9	625.	625.2	56.2
16.....	542.3	542.1	541.8	985.5	987.6	986.7	62.	744.2	744.2	743.8	65.
17.....	542.2	542.2	542.3	1002.8	1002.9	1003.3	66.4	807.	806.5	806.5	70.
18.....	543.2	543.2	542.4	1018.	1017.6	1019.4	71.8	873.8	873.6	874.2	75.1
20.....	541.5	541.2	541.4	981.6	981.7	981.3	55.8	654.6	656.	657.2	61.6
21.....	543.6	544.2	543.6	1012.4	1013.5	1014.7	68.1	862.	860.5	859.4	72.7
22.....	536.5	535.5	535.3	996.7	994.9	993.6	60.8	756.4	754.4	753.2	65.2
23.....	541.2	540.8	540.9	993.9	995.5	998.2	59.	720.8	718.6	716.8	62.9
24.....	539.5	540.2	542.3	1005.3	1008.2	1006.6	70.9	863.8	863.1	862.4	74.1
25.....	536.5	535.7	534.9	1003.6	1004.7	1009.	67.	838.9	838.3	837.5	72.4
27.....	538.8	538.8	538.5	971.7	969.8	971.9	57.9	723.1	722.2	721.6	64.
28.....	543.3	544 2	544.4	956.9	956.8	956.2	52.8	651.5	650.2	649.4	58.1
29.....	541.4	541.9	542.1	976.1	975.1	976 4	58.3	716.5	715.9	715.4	63.
30.....	542.3	541.4	542.1	969.1	968.9	967.9	58.8	731.8	730.1	728.8	63.8

Göttingen time Observatory time	*h. m.* 18 00 12 19½	*h. m.* 19 00 13 19½	*h. m.* 20 00 14 19½	*h. m.* 21 00 15 19½	*h. m.* 22 00 16 19½	*h. m.* 23 00 17 19½	*h. m.* 0 00 18 19½	*h. m.* 1 00 19 19½	*h. m.* 2 00 20 19½	*h. m.* 3 00 21 19½	*h. m.* 4 00 22 19½	*h. m.* 5 00 23 19½	Means.
Dec. 1	529.3	528.8	530.6	534.9	535.8	536.3	540.6	543.9	542.3	543.9	544.7	541.1	538.5
2	532.4	533.2	533.7	533.6	537.	537.9	538.7	536.2	539.4	539.4	538.3	538.9	538.4
4	530.4	531.	532.3	537.6	539.4	540.9	543.8	544.6	542.4	542.2	541.9	540.9	539.7
5	532.6	529.8	530.5	528.3	532.3	532.4	537.9	539.	541.3	542.2	541.6	541.	537.6
6	531.6	529.2	529.5	532.8	534.6	540.3	539.8	541.5	542.2	543.6	542.3	549.1	538.9
7	534.9	534.5	536.4	537.	537.2	540.4	540.6	543.1	541.	550.4	537.7	540.8	540.1
8	533.4	531.5	527.7	535.3	536.7	539.4	544.2	543.4	545.	544.5	543.5	542.6	540.1
9	533.6	528.4	528.1	533.7	530.3	535.	534.7	538.5	539.2	543.3	542.7	538.6	538.3
11	533.7	532.2	530.	534.6	535.2	538.4	546.9	540.9	557.5	545.7	543.6	542.7	541.1
12	532.2	532.	530.4	535.4	536.6	559.1	545.6	541.9	542.5	540.9	542.4	542.1	538.9
13	533.8	529.8	527.8	530.1	532.9	542.7	534.5	535.9	540.9	540.8	540.5	541.8	538.4
14	537.6	533.6	530.7	531.4	533.	534.6	534.7	537.4	538.5	539.4	540.1	540.3	538.1
15	535.4	532.4	531.1	531.4	533.3	534.4	536.1	534.8	540.	536.2	537.1	537.5	537.3
16	537.5	535.1	534.4	535.3	536.3	537.3	539.	539.	539.5	539.5	541.	540.5	538.8
18	535.3	532.9	533.9	534.4	537.6	540.3	539.6	539.9	540.	539.5	541.4	*543.	539.7
19	537.3	537.4	536.2	535.3	536.5	538.5	538.7	539.4	538.6	539.3	539.2	540.9	539.2
20	536.1	536.8	537.1	536.4	536.7	536.9	540.5	540.	539.2	540.4	540.3	540.5	539.7
21	534.4	533.9	535.7	537.6	537.1	537.5	538.8	539.4	540.7	541.7	540.5	540.5	538.9
22	537.5	535.4	536.8	539.6	540.7	541.	540.8	541.5	543.9	543.2	542.6	541.7	540.7
23	536.1	532.3	533.1	535.4	538.	539.9	540.3	541.1	540.5	540.8	541.	541.5	539.9
25	536.1	534.5	534.5	536.6	538.3	538.8	538.8	539.8	538.5	539.2	540.9	541.4	540.1
26	534.6	533.	532.7	535.4	536.9	538.5	539.1	542.5	543.1	541.	542.8	540.2	540.1
*27	527.1	521.7	527.	533.2	536.9	537.8	537.7	541.9	542.1	542.8	541.5	539.8	537.9
28	535.	534.4	534.2	535.9	537.7	537.9	538.3	540.3	540.6	541.8	541.	540.8	538.3
29	534.8	532.2	531.3	530.5	533.4	538.5	538.7	540.7	541.5	542.7	542.5	540.7	538.5
30	535.9	533.2	532.4	531.7	533.	535.2	537.9	539.3	538.1	538.5	539.	539.2	538.1
Means	534.2	532.3	532.2	534.4	535.9	538.8	539.5	540.2	541.5	541.6	541.2	541.1	539.1

* One minute late.

December. / Greenwich time. / Observatory time.	h. m. 6 02 0 21½	h. m. 7 02 1 21½	h. m. 8 02 2 21½	h. m. 9 03 3 21½	h. m. 10 02 4 21½	h. m. 11 02 5 21½	h. m. 12 02 6 21½	h. m. 13 02 7 21½	h. m. 14 02 8 21½	h. m. 15 02 9 21½	h. m. 16 02 10 21½	h. m. 17 02 11 21½
Dec. 1	977.2	976.5	973.6	973.7	†976.	961.2	969.3	974.1	977.9	975.6	986.3	990.2
2	987.2	987.5	985.	987.5	980.2	977.5	971.6	979.1	1000.	983.2	974.9	975.8
4	958.	952.7	950.3	955.7	956.5	957.1	953.8	959.	961.4	964.5	967.7	973.6
5	980.9	981.9	976.7	979.5	974.5	‡979.9	977.7	976.1	976.2	975.9	972.1	980.6
6	974.3	971.	969.5	964.5	969.9	961.6	961.8	964.1	958.	954.4	953.1	961.
7	984.3	976.9	975.	972.1	972.8	971.4	975.2	976.9	978.2	977.7	978.1	981.6
8	981.7	979.1	975.5	972.9	968.3	968.2	964.6	965.3	961.8	957.7	975.	984.7
9	980.4	947.6	980.1	983.5	974 6	977.2	976.2	976.9	982.7	978.7	978.4	982.6
11	975.8	966.8	966.9	968.1	977.1	961.9	960.3	966.8	973.2	977.9	981.	996.8
12	985.2	987.6	990.	986.5	979.2	982.	980.3	987.	993.6	1008.9	992.5	991.6
13	970.3	964.	965.2	960.8	961.5	960.2	956.	955.6	958.5	960.5	954.5	958.8
14	966.5	966.1	960.6	960.7	953.6	959.	954.	959.5	960.4	959.	959.6	974.6
15	982.7	983.2	982.8	983.3	983.	981.5	979.	978.9	978.3	984.2	982.7	988.8
16	997.1	994.1	993.3	993.7	989.4	988.8	987.	986.8	983.4	982.4	985.6	997.1
18	969.3	966.2	965.9	964.7	964.9	964.4	964.8	963.4	965.8	970.6	976.1	986.4
19	992.	992.5	987.3	988.2	985.9	984.1	981.1	980.	979.2	978.8	979.	981.4
20	990.4	993.9	998.	989.2	988.4	978.5	981.7	975.8	978.5	975.	981.5	986.6
21	1000.3	999.8	995.3	993.9	993.2	992.4	990.9	990.4	987.4	988.4	990.3	998.6
22	998.9	1000.	997.	996.2	990.6	§988.5	986.4	986.1	990.1	991.7	995.5	999.1
23	1000.3	999.5	998.3	996.1	992.1	991.5	989.3	987.7	990.9	997.4	1007.5	1011.3
25	*975.9	974.2	973.7	973.4	970 5	971.3	970.9	967.4	979.4	985.1	992.1	998.2
26	1002.	1001.8	998.4	998.	990.3	987.6	988.2	984.1	985.8	991.4	1002.5	1009.9
27	1003.	1001.9	994.9	992.9	992.7	988.	985.1	982.2	986.5	986.1	991.8	1015.
28	1010.2	1007.9	1006.5	1006.	993.4	994.9	994.5	995.5	1016.	1001.4	1010.4	1019.5
29	996.6	995.9	994.3	993.3	993.1	990.7	986.7	984.6	985.6	980.3	985.1	994.5
30	974.7	975.2	976.	974.8	971.5	971.6	971.	968.9	971.8	969.9	976.5	984.4
Means	985.2	982.5	981.9	981.2	978.6	976.6	975.3	975.8	979.2	979.1	981.9	989.4
Reduced to 32° F.	933.1	931.	930.4	929.5	927.6	925.8	924.7	925.2	929.3	928.9	930.2	934.2

* One minute late. † Five minutes late. ‡ Four minutes late. § Eight minutes late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Means.	Reduced to 33° F.
Göttingen time..	18 02	19 02	20 02	21 02	22 03	23 02	0 02	1 02	2 02	3 02	4 02	5 02		
Observatory time.	12 21½	13 21½	14 21½	15 21½	16 21½	17 21½	18 21½	19 21½	20 21½	21 21½	22 21½	23 21½		
Dec. 1.....	993.1	993.2	991.1	989.6	992.5	987.	986.	991.1	987.9	983.1	983.6	989.1	982.4	921.
2.....	981.9	990.8	990.	991.4	986.9	982.7	985.9	993.7	990.2	986.9	988.9	988.4	985.3	923.9
4.....	974.1	978.1	981.7	984.5	985.8	984.2	986.	981.7	979.5	977.2	981.1	984.1	971.2	927.
5.....	983.2	980.7	984.3	982.3	979.3	982.3	984.8	989.	987.8	986.5	981.7	974.6	980.8	920.3
6.....	968.5	970.8	976.8	978.8	979.5	991.6	984.3	984.2	980.8	982.5	987.6	994.6	972.6	920.7
7.....	983.1	984.1	981.1	981.5	982.6	979.9	981.	986.2	984.1	979.8	988.5	984.7	979.1	922.1
8.....	982.9	997.8	1002.7	1012.	1004.6	997.1	997.4	1002.	994.3	988.5	979.2	986.1	983.3	930.7
9.....	991.2	984.9	989.2	987.2	981.8	979.5	979.9	984.8	986.2	983.2	991.2	980.8	980.8	926.9
11.....	993.6	991.7	1009.9	990.	978.5	989.4	990.2	1003.6	994.8	995.8	988.1	997.	983.3	940.
12.....	998.	1002.9	1001.	988.7	981.9	982.9	987.5	989.5	983.8	979.9	978.4	973.5	988.	937.
13.....	957.4	975.1	979.	973.9	966.5	966.3	966.2	969.	971.6	965.5	970.2	969.5	964.9	935.4
14.....	975.2	977.	977.9	986.2	981.8	979.9	981.	980.1	980.3	984.6	983.2	984.8	971.1	937.
15.....	997.8	1001.9	1001.5	996.6	995.2	994.3	998.	1000.5	1000.	998.8	1000.9	1000.	990.6	933.
16.....	1006.	1010.1	1009.5	1004.	998.	995.7	997.8	997	997.2	999.5	1000.2	1002.6	995.7	929.5
18.....	995.2	998 5	998.2	997.8	994.	985.4	987.7	988.2	986.7	991.3	994.4	991.2	980.5	935.3
19.....	985.6	987.3	990.2	989.7	985.8	984.4	989.1	990.1	991.6	991.4	992.7	994.6	986.7	924.4
20.....	995.4	1001.9	1000.9	1001.8	1000.8	1005.9	1005.9	1004.3	1005.2	1005 1	1006.5	996.9	993.7	926.8
21.....	998.4	999.3	999.1	995.1	998 4	998.5	996.7	996.	998.1	999.3	999.9	1001.3	995.9	927.3
22.....	992.8	991.5	991.1	981.6	987.4	994.9	998.1	1001.5	1006.7	1008.9	1006.5	1002.5	995.3	926.4
23.....	1009.5	1003.2	987.3	985.8	990.6	990.4	992.8	991.1	990.5	993.2	993.3	996.1	995.2	929.9
25.....	1001.8	998.6	992.4	986.7	987.7	990.4	993.7	995.9	996.3	1000.4	1005.4	1005.6	987.	927.6
26.....	1015.5	1012.6	1011.	1005.	997.8	995.5	995.4	999.1	997.4	997.9	1005.1	1008.6	999.3	930.
27.....	1027.8	1030.2	1018.	1008.3	1005.2	1002.6	1001.3	1005.4	1005.2	1008.1	1006.	1006.8	1001.9	933.5
28.....	1025.1	1024.9	1012.9	1007.2	1003.4	1002.1	1011.8	1012.4	1001.1	996.5	996.8	997.7	1006.2	941.3
29.....	999.2	999.8	996.1	1006.5	990.3	987.2	987.1	984.7	983.8	988.7	986.	980.1	990.4	935.2
30.....	988.5	984.9	980.1	978.2	981.2	977.7	978.5	979.	978.6	982.2	985.4	978.	977.4	933.8
Means.....	993.1	995.2	994.3	992.1	989.1	988.8	990.1	992.3	990.8	990.2	991.6	991.1	986.1	
..ans	994.8	932.5	930.2	927.4	924.6	924.2	926.2	930	929.9	929.4	932.1	931.9		930.6

Observatory time.	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
Dec. 1												
2	57.4	57.2	57.4	58.2	58.	58.7	58.5	57.5	56.	55.4	55.8	57.6
4	57.6	58.3	58.5	58.6	59.2	59.8	59.4	58.6	57.3	57.	58.5	60.9
5	42.3	42.4	43.4	45.	45.8	46.6	46.9	47.5	47.6	48.2	49.9	53.
6	59.	59.	59.	59.4	59.2	59.4	59.2	58.7	58.	57.2	56.1	58.2
7	53.9	53.4	52.4	51.4	50.8	50.	50.2	49.8	49.9	50.5	52.8	56.1
8	55.7	55.4	55.3	55.9	56.4	57.	58.1	57.7	56.6	56.1	56.2	57.5
9	53.7	52.6	52.4	52.1	52.	52.3	52.1	52.6	52.3	53.2	54.4	55.7
11	55.1	*51.7	54.9	54.4	54.2	54.	54.	54.8	54.7	55.	55.1	56.
12	39.3	39.4	41.2	42.7	44.2	44.7	46.	47.4	48.	49.7	51.7	54.6
13	56.5	56.2	56.2	55.7	55.5	55.7	55.4	55.4	55.	55.1	55.6	56.8
14	44.5	43.8	43.5	43.4	43.2	42.1	41.4	41.2	41.	38.3	36.3	38.3
15	43.4	42.7	42.3	41.5	41.2	40.6	40.2	40.1	40.7	42.2	43.3	45.5
16	54.3	54.5	55.1	54.5	54.4	53.6	53.	52.6	52.	51.9	52.7	55.
18	61.7	61.5	60.9	60.4	60.2	59.4	58.7	58.6	58.4	58.9	60.7	62.9
19	47.7	48.1	49.	49.9	50.9	52.	52.9	54.4	55.3	56.4	58.3	59.6
20	60.2	60.3	59.9	59.3	58.5	57.8	57.3	57.7	57.3	56.9	57.7	59.2
21	61.6	61.2	60.5	59.8	58.9	58.3	58.	57.7	57.7	57.6	58.9	61.1
22	64.	63.4	63.2	63.3	62.5	62.	61.2	60.2	59.2	60.2	61.7	62.6
23	63.7	62.8	61.9	61.3	61.1	†60.7	60.2	60.	61.3	60.2	60.2	60.8
25	62.3	62.4	62.	64.1	60.8	60.8	60.7	59.9	59.8	60.	59.9	60.2
26	53.9	53.8	54.5	54.9	54.	53.8	54.	53.8	53.8	53.9	54.1	55.6
27	64.8	63.8	63.	62.3	61.4	61.	60.8	60.7	60.4	61.8	62.8	64.2
28	61.9	61.2	60.8	61.1	60.6	60.8	60.8	61.1	60.3	60.5	61.5	63.8
29	63.2	63.1	63.	62.7	62.8	62.9	63.4	63.4	63.	62.	61.4	60.9
30	59.4	59.5	59.	59.1	59.	58.8	58.4	57.8	56.5	56.	56.1	57.
	50.9	50.5	50.4	50.7	50.8	50.4	49.3	50.	50.5	51.4	50.8	50.7
Means	55.7	55.4	55.4	55.5	55.2	55.1	55.	55.	54.7	54.8	55.5	57.1

* Eighteen minutes late.

† Eight minutes late.

DECEMBER.]

	Declination.			Horizontal force.				Vertical force.			
	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Temperature Fahrenheit.	h. m.	h. m.	h. m.	Temperature Fahrenheit.
Gottingen time	13 54	14 00	14 06	13 56	14 02	14 08		13 58	14 04	14 10	
Observatory time	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Dec. 1	541.5	544.4	541.9	978.6	977.9	978.7	56.	699.1	696.1	694.8	60.1
2	539.5	536.2	534.1	993.5	1000.	1001.	57.3	703.9	702.1	700.8	61.1
4	541.8	541.9	542.4	960.	961.4	960.1	47.6	567.8	568.	568.1	51.9
5	545.5	544.7	543.5	976.8	976.2	975.5	58.	731.9	730.9	729.7	62.6
6	539.7	540.7	540.9	957.1	958.	956.8	49.9	603.1	603.1	603.	55.3
7	543.9	543.9	541.	977.9	978.2	977.3	56.6	695.6	694.4	693.6	60.9
8	542.1	541.9	542.2	962.6	961.8	958.5	52.3	617.2	617.5	617.6	56.4
9	542.2	541.7	540.8	979.5	982.7	979.4	54.7	643.7	643.4	643.5	58.1
11	541.1	545.1	545.	970.1	973.2	969.5	48.	563.9	564.9	566.1	52.1
12	538.1	539.	541.	991.6	993.6	993.4	55.	678.9	678.9	678.7	59.1
13	542.9	542.5	542.1	957.2	958.5	956.9	41.	508.3	507.8	507.3	46.4
14	542.5	541.9	541.6	961.7	960.4	960.	40.7	485.5	485.8	487.2	45.5
15	542.6	542.5	542.8	979.2	978.3	977.8	52.	633.6	632.5	631.5	56.
16	541.	540.9	540.8	984.8	983.4	982.7	58.4	712.2	711.8	711.2	62.4
18	541.7	542.4	542.7	964.6	965.8	965.6	55.3	655.2	656.6	657.9	59.9
19	542.2	542.7	542.1	978.	979.2	979.3	57.3	703.9	703.4	702.6	61.2
20	541.	541.	541.6	978.5	978.5	979.6	57.7	710.5	710.1	709.9	62.2
21	543.1	542.6	542.7	987.5	987.4	986.2	59.2	729.5	728.3	727.2	63.2
22	543.7	543.8	544.1	988.5	990.1	989.7	61.3	729.3	729.	728.3	64.
23	543.2	543.5	544.1	989.7	990.9	989.8	59.8	721.6	720.5	719.3	63.5
25	545.9	546.3	545.7	978.2	979.4	981.	53.8	636.	635.8	636.2	57.2
26	545.6	545.4	544.9	985.9	985.8	987.	60.4	727.8	728.	728.	64.6
27	545.3	545.5	546.2	985.9	986.5	985.4	60.3	745.8	745.3	744.9	65.
28	536.	534.9	534.3	1015.5	1016.	1015.8	63.	760.2	759.3	759.	66.8
29	544.9	544.5	544.4	984.7	985.6	983.4	56.5	697.4	695.8	693.7	61.7
30	544.4	544.4	544.8	970.4	971.8	970.9	50.5	601.1	601.3	602.1	56.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

TERM DAY MAGNETIC OBSERVATIONS,

FROM JANUARY TO JUNE, 1843.

GENERAL NOTES.

Beginning with April, 1843, a change was made in the intervals and order of observation of the magnetometers, to conform as nearly as the times of vibration of the bars would allow to the intervals prescribed by the Committee of Physics in their revised instructions; the longer time of vibration preventing entire conformity. The readings are made in the following order: declinometer, $0m.$; horizontal force magnetometer, $2m.$; vertical force magnetometer, $4m.$; and then repeated in the same order, so that each instrument was observed at intervals of six minutes. It is understood that each observation thus referred to is the mean of three—one before and one after the times stated, at intervals of one vibration each.

The condition of the instruments is described otherwise in the notes to the ordinary observations.

MAGNETIC TERM DAY.—DECLINATION MAGNETOMETER.

JANUARY 18, 19.]

Gottingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	558.	559.8	560.2	561.7	564.5	562.8	561.9	561.5	562.5	562.8	559.6	563 3	.....19 30
5	558.3	559.2	560.5	562.	562.4	563.8	564.2	561.7	562.7	562.8	560.7	562.7	.....24 30
10	559.	559.5	560.	561.9	562.2	564.	564.1	562.1	562.3	562.4	561.1	564.1	.....29 30
15	559.	559.	561.	561.7	562.5	564.5	564 2	562.3	562.5	562.5	561.2	563.9	.....34 30
20	559.	559.3	561.2	561.5	563.2	565.	564.	562.	562.5	562.8	561.8	564.2	.....39 30
25	559.	559.	559 5	561.	563.	563.8	563.9	562.2	563.1	562.1	561.7	563.6	.....44 30
30	559.2	559.	560.	561.	562.4	564.	563.3	561.8	562.5	561.7	562.7	563.4	.....49 30
35	559.2	559.2	560.2	560.5	562.	564.1	562.5	561.7	562.6	562.1	564.	564.1	.....54 30
40	559.5	559.	560.2	560.5	561.	563.	564.2	562.7	561.6	562.1	562.	563 2	562.9 .....59 30
45	559.2	560.2	560.5	561.2	563.	561.	562.7	562.2	562.3	562.4	563.3	561.	..... 4 30
50	559.	559.7	560.5	561.2	562.7	563.2	563.1	562.1	562.	562.3	561.7	564.2	562. ..... 9 30
55	559.7	559.5	561.2	562.	563.2	563.2	564.2	562.1	563.2	562.5	560.	564.1	563.3 .....14 30

Gottingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	561.9	562.1	561.	563.	567.5	570.	568.5	564.7	559.2	554.9	554.3	554.5	.....19 30
5	561.7	562.1	564.	565.1	567.7	570.2	567.5	564.4	559.3	554.2	555.2	555.	.....24 30
10	561.5	563.1	564.1	564.4	568.2	570.7	566.9	563.5	557.5	552.4	554.7	555.	.....29 30
15	561.6	562 5	562.2	563.9	569.	570.	567.	562.7	557.2	552.6	554 8	555.8	.....34 30
20	561.4	563.	563.4	564.3	568.5	569.1	566.9	564.	556.9	552.6	554.6	555.3	.....39 30
25	559.	561.7	563.4	565.6	568.5	569.2	566.5	562.3	556 2	553.4	554.9	555.	.....44 30
30	561.4	562.2	563.5	565.7	568.	569.4	567.	561.8	555.9	553.4	554.4	554.2	.....49 30
35	561.4	562.4	563.2	565.7	569.2	569.5	566.2	566.2	555.3	553.8	554.3	556.	.....54 30
40	561.4	562.7	563.7	567.2	570.7	569 5	565.2	561.1	555.	554.	554.4	556.3	.....59 30
45	561.4	562.9	563.4	566.2	570.1	569.	565.9	562.7	554.4	554.2	554.3	556.9	..... 4 30
50	561.8	563 2	562 9	566.8	569.5	569.5	564.8	555.9	554.	554.4	554.6	556.9	..... 9 30
55	561.7	563.6	562.3	567.4	570.5	569.	565.	559.1	554.4	554.3	553.8	556.5	.....14 30

THERMOMETER OF HORIZONTAL FORCE MAGNETOMETER—Continued.

	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.
.	59.9	62.	63.6	65.1	65.	65.3	64.9	64.1	61.7	60.3	59.3	58.3	59.9
..	62.1	63.7	63.3	62.9	62.5	61.8	61.8	59.8	59.5	58.6	58.5	58.2	59.9
....	55.1	58.8	60.4	59.7	57.7	57.5	58.	54.7	56.3	57.3	58.6	59.1	52.1
.....	60.3	62.2	62 4	61.2	62.1	63.7	64.1	61.7	59.4	57.7	56.	55.1	59.5
.....	58 1	60.	61.3	61.9	61.5	61.3	60.4	59.3	58.5	57.7	56.5	56.	55.6
.....	58.6	60.	61.1	61.9	61.8	61.4	60.4	59.3	58.	57.5	55.8	54.9	57.9
.....	56.	58.5	60.5	61.4	61.5	61.7	60.6	59.5	58.9	57.7	55.8	55.4	55.9
.....	57.8	59.7	61.2	61.4	61.	59 8	58.8	58.3	56.7	56.	54.6	53.4	56.5
.....	56.2	57.4	56.4	55.7	56.1	57.8	58.8	59.8	59.5	58.8	58.	57.3	51.7
.....	59.1	59.3	59.8	59.2	58.5	57.6	55.5	53.2	51.2	48.6	47.	45.8	55.2
.....	39.9	42.6	45.1	46.3	46.8	47.3	47.4	46.8	46.3	45.7	45.	44.3	45.4
14.....	47.5	50.5	53.4	55.1	55.8	56.3	56.6	55.9	55.5	55.4	54.8	54.5	47.5
15.....	57.8	60.	61.8	63.2	64.3	64.7	64.6	64.3	63.8	63.3	63.1	62.2	58.2
16.....	64.2	65.3	65.1	64.5	64.4	64.5	64.1	63.8	63.5	64.	63.5	62.2	62.1
18.....	60.9	62.2	62.4	62.1	61.7	61.6	61.6	60.9	60.7	60.9	60.8	60.5	57.1
19.....	60.8	61.5	62.	62.2	62.	62.6	62.9	62.4	62.6	62.1	62.5	62.	60.3
20.....	62.7	64.6	65.5	66.2	66.7	66.8	66.3	65.6	65.5	66.1	65.7	61.5	62.4
21.....	63.	64.	65.	64.5	64.6	64.6	64.8	65.3	64.9	64.4	63.9	63.1	63.2
22.....	62.5	64.5	65.3	66.3	67.2	67.4	66.8	66.6	66.	65.2	61.	63.4	63.3
23.....	60.9	61.9	63.	64.2	64.4	62.8	62.4	61.8	62.1	62.4	62.7	61.	61.7
25.....	57.	58.9	60.8	62.6	63.6	64.8	65.8	66.	66.8	67.8	67.2	65.9	59.
26.....	65.5	66.5	66.8	66.3	65.3	65.3	65.	65.	63.3	63.	62.7	62.5	63.5
27.....	65 6	67.3	68.	67.	66.	64.8	64.7	64.2	63.2	62.9	63.2	63.5	63.1
28.....	60.7	60.4	60.5	60.8	60.4	60.2	60.3	60.3	60.1	60.1	60.	60.	61.5
29.....	58.	58.7	59.4	59.	58.8	57.4	56.3	55.4	54.4	53.6	52.5	51.3	57.1
30.....	51.9	53.1	53.9	54.8	54.8	54.2	53.5	52.8	52.5	52.3	52.	51.3	51.8
Means.....	58.5	60.5	61.1	61.4	61.3	61.3	61.	60.3	59.7	59.2	58.6	59.9	57.7

Göttingen time.. Observatory time	h. m. 6 04 0 23½	h. m. 7 04 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
Dec. 1	697.9	692.2	693.1	707.	†710.	721.9	716.	716.5	696.1	682.3	673.3	686.6
2	692.2	685.	687.	692.1	705.	711.4	717.6	713.9	702.1	690.2	693.5	725.2
4	489.3	496.4	501.7	529.3	543.2	556.7	565.9	572.3	568.	571.4	590.9	631.3
5	744.2	741.5	740.	747.4	747.3	‡753.3	751.	742.3	730.9	720.	710.6	729.2
6	671.8	655.7	639.7	623.	617.2	611.7	609.1	606.9	603.1	606.8	630.2	678.6
7	671.1	659.2	633.1	637.1	666.1	678.6	696.5	703.9	694.4	677.6	665.3	664.6
8	642.2	630.6	622.	618.3	617.	618.3	617.3	619.3	617.5	637.4	636.9	654.3
9	662.9	659.2	632.6	632.1	627.7	642.9	639.8	643.1	643.4	646.	647.7	656.4
11	463.7	455.4	470.2	496.1	520.5	535.1	550.9	561.2	564.9	581.6	613.7	653.2
12	686.7	675.4	675.2	676.9	676.2	680.	680.6	680.8	678.9	675.	679.2	697.3
13	553.6	540.2	535.1	535.3	538.	531.1	519.8	512.8	507.8	496.4	460.4	450.9
14	537.2	524.5	516.	510.	502.	494.9	487.3	484.9	485.8	501.9	514.9	538.8
15	666.8	664.3	666.9	670.	666.5	660.6	651.5	643.5	632 5	627.3	628.	650.2
16	764.7	754.5	746.5	740.4	737.2	730.7	722.2	713.9	711.8	712.9	728.5	760.
18	540.9	541.2	548.9	564.6	585.2	599.8	617.9	639.3	656.6	674.3	708.1	731.9
19	741.5	738.3	535.2	733.7	724.6	715.8	707.9	705.2	703.4	698.2	700.3	716.9
20	768.2	759.	749.2	742.1	733.1	725.9	719.2	713.6	710.1	710.7	718.9	743.9
21	806.5	795.5	784 5	783.1	781.	772.7	761.6	746.8	728.3	726.2	738.7	752.3
22	780.3	771.9	763.8	756.5	749.	§743 5	748.3	731.8	729.	723.	716.	716.7
23	764.5	756.2	750.3	741.8	734.2	731.2	729.5	726.2	720.5	721.8	726.6	730.4
25	*633.1	626.2	629.	638.1	637.6	632.8	635.3	638.8	635.8	639.8	642.4	655.
26	822.3	798.1	782.6	776.7	763.2	756.4	751.2	746.2	728.	740.8	764.3	788.6
27	774.8	764.	754.	750.8	746.9	746.2	749.7	752.8	745.3	742.6	747.6	773.6
28	767.1	762.2	758.7	759.1	761.9	760.5	763.4	763.5	759.3	754.	737.9	726.7
29	729.4	726.9	722.	723.5	724.5	728.4	725.	713.1	695.8	688.4	683.4	687.7
30	625.1	628.7	613.3	617.7	621.7	618.3	608.	604.9	601.3	‖ 601.7	606.5	588.1
Means	680.6	673.2	667.3	669.3	670.6	671.5	670.9	669.1	663.5	663.8	667.9	684.2
Reduced to 32° F.	308.	303.3	296.1	296.7	299.4	300.3	299.7	301.9	299.	299.3	284.5	269.8

* One minute late. † Five minutes late. ‡ Four minutes late. § Eight minutes late. ‖ Supplied.

Göttingen time.. Observatory time	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
Dec. 1.....	715.9	751.8	782.5	814.8	824.1	830.7	830.3	805.5	777.1	746.9	718.4	707.7	737.4	289.2
2.....	760.	782.1	782.7	778.1	772.7	763.1	750.2	735.	724.4	709.6	698.7	695.8	723.6	284.9
4.....	674.8	717.5	748.7	746.8	722.4	691.4	664.8	654.1	669.	689.1	720.4	740.8	627.3	288.5
5.....	759.7	792.5	811.	792.8	813.	833.3	839.	817.3	780.6	738.9	707.5	690.6	759.7	303.4
6.....	723.6	756.7	785.8	800.2	799.5	790.3	773.1	753.1	755.5	717.7	693.7	680.6	691.	294.1
7.....	672.6	686.4	706.8	723.5	734.6	742.2	740.1	730.5	713.7	702.6	678.7	654.2	688.9	282.6
8.....	679.5	704.6	738.5	761.	763.8	769.3	761.9	743.	721.1	694.8	677.8	668.9	675.7	291.
9.....	681.5	711.4	741.1	757.9	762.9	755.1	739.6	730.4	714.9	698.7	680.6	664.4	682.2	291.9
11.....	680.6	697.9	690.1	675.6	673.2	686.6	704.2	718.1	724.2	717.1	707.3	695.8	618.2	294.2
12.....	715.4	736.1	750.	727.1	742.1	735.	705.	672.5	640.	610.9	584.4	567.3	681.2	303.2
13.....	473.9	510.6	547.3	565.4	583.3	590.	589.5	584.1	577.6	567.3	546.6	547.4	536.	309.2
14.....	573.6	611.5	650.9	673.8	691.5	697.5	703.	697.6	688.6	679.	671.6	669.9	588.6	306.4
15.....	687.	723.3	748.7	769.1	786.	798.4	802.7	800.7	795.9	787.2	781.3	775.	711.8	293.3
16.....	785.1	799.5	802.8	796.5	792.7	793.2	794.	790.3	787.8	788.1	788.9	780.7	767.6	299.2
18.....	753.8	769.3	778.3	776.6	769.7	767.4	766.9	762.3	756.6	752.8	750.4	748.1	690.	287.7
19.....	737.5	753 3	768.	772.5	771.5	776.8	782.3	780.6	779.4	775.6	776.1	775.5	744.6	301.8
20.....	778.1	801.5	819.1	834.8	843.7	844.2	837.7	825.1	819.2	823.5	825.5	817.2	777.6	302.4
21.....	763.2	777.9	793.9	795.3	793.3	798.5	807.2	815.7	816.2	808.1	799.1	790.9	780.7	313.6
22.....	734.7	760.3	792.7	815.9	834.5	844.	842.3	839.2	833.2	816.	792.7	778.1	775.6	297.7
23.....	735.4	746.8	769.	791.9	801.4	792.1	781.8	772.	766.6	765.4	761.9	756.3	753.1	298.2
25.....	676.	702.	735.	767.2	791.7	812.5	829.5	844.8	849.8	857.1	854.3	841.7	716.9	290.3
26.....	810.3	826.2	834.	829.7	821.1	812.7	806.3	804.7	794.4	782.9	780.3	779 2	787.5	298.8
27.....	808.1	835.3	855.	850.5	835.2	818.7	805.2	797.9	782.9	766.8	762.8	767.2	780.6	293.3
28.....	720.7	713.3	711.1	715.4	716.8	714.7	718.2	721.2	722.7	723.3	725.6	731.2	737.9	287.
29.....	700.6	712.3	724.9	733.3	730.1	720.1	702.9	688.1	675 7	661.	641.3	632.7	703.	289.9
30.....	587.7	595.9	608.	626.1	634.2	642.8	642.8	637.9	629.1	620.	614.	605.5	615.8	283.7
Means.....	707.3	729.8	749.1	757.4	761.7	762.3	761.9	750.8	742.2	730.8	720.8	714.	705.9	
Reduced to 32° F.	289.9	265.4	276.6	284.9	294.6	295.2	303.9	308.	306.9	302.9	302.3	309.		294.8

Gottingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3 ...	Observatory time.
m. s.													m.
2 30.....	.....	805.8	810.2	807.5	806.7	811.1	807.	803.5	798.2	797.9	794.5	801.5	22
12 30.....	800.4	808.4	809.2	804.4	806.7	809.2	806.2	802.8	801.	798.4	794.2	799.	32
22 30.....	803.5	811.	808.5	807.2	802.7	806.2	806.2	800.2	798.5	797.2	796.	799.	42
32 30.....	803.	813.5	806.5	805.	806.5	806.2	807.8	799.3	799.8	796.2	795.7	803.4	52
42 30.....	801.7	814.4	808.4	807.5	806.6	805.8	806.6	798.4	796.9	795.8	796.7	799.7	 2
52 30.....	805.5	812.2	808.	804.5	806.7	808.7	804.4	798.	797.8	796.7	797.2	800.2	12
Thermometer.....	62.8	62.2	62.	62.	62.	62.	61.5	61.	61.6	62.5	63.6	64.5	..Thermometer.

Gottingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
2 30.....	802.7	798.5	800.8	805.8	807.5	806.2	813.7	829.	836.4	835.8	824.	817.1	22
12 30.....	804.2	798.2	800.7	803.6	806.7	806.7	818.2	828.8	839.5	836.2	822.2	815.3	32
22 30.....	802.4	799.2	803.	802.8	806.7	811.7	822.7	831.4	835.	832.9	822.5	813.2	42
32 30.....	800.9	801.9	800.4	803.2	806.7	812.	824.5	830.3	834.2	824.9	821.5	816.1	52
42 30.....	798.6	799.7	800.6	804.2	805.2	813.	823.	836.9	833.1	824.	820.5	818.	 2
52 30.....	799.5	800.6	802.2	805.	808.5	814.5	825.5	842.3	828.2	827.	819.4	814.6	12
Thermometer.....	65.3	65.8	66.5	66.1	65.3	64.3	64.	64.	63.4	64.1	66.	67.7	...Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	....	716.7	*709.	706.	706.	705.2	702.4	696.5	700.6	†710.3	729.2	746.1	 27
17 30	722.	715.5	708.6	706.	706.	705.	700.6	696.	700.	712.8	733.5	748.9	 37
27 30	721.	714.	707.7	706.	706.	704.5	700.1	695.9	701.7	716.	736.5	753.5	 47
37 30	721.	711.7	707.	706.	706.	704.	699.1	696.2	703.6	719.5	739.	754.9	 57
47 30	719.2	711.	706.3	706.7	706.	703.8	698.3	697.1	705.5	723.7	741.4	756.	 7
57 30	718.1	710.	706.	706.2	705.2	702.9	697.4	698.4	707.8	725.8	743.2	761.8	 17
Thermometer	67.5	66.5	66.2	66.3	66.3	66.	65.6	65.8	67.3	68.6	69.8	71.	...Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	763.2	771.6	782.8	788.	782.	764.	751.	740.5	729.8	714.3	723.2	745.1	 27
17 30	765.2	773.3	784.3	787.9	780.5	761.	750.	738.	726.1	714.6	726.1	748.7	 37
27 30	765.7	775.	785.5	788.4	778.4	758.	748.	736.4	722.2	714.9	731.2	751.2	 47
37 30	768.5	778.	787.	787.	775.	756.	746.	733.5	718.4	716.	735.5	754.8	 57
47 30	769.	778.8	788.1	785.8	771.5	754.	744.2	734.7	715.4	718.6	739.8	760.1	 7
57 30	770.8	779.7	788.	784.2	767.5	752.4	.....	733.3	713.8	719.9	741.8	766.6	 17
Thermometer	71.7	72.2	73.	72.5	70.4	69.1	69.	....	67.4	69.	71.5	73.7	...Thermometer.

* Registered 699.

† Registered 700.3.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	559.	560.2	566.2	574.5	562.8	561.1	565.2	†589.7	573.	560.3	560.7	561.7	19 30
5	558.7	560.	572.7	575.	565.	*563.6	565.1	586.	565.7	560.8	561.1	562.1	24 30
10	559.	560.5	577.7	574.2	563.2	561.9	564.5	576.7	566.	560.7	561.4	562.7	29 30
15	559.	562.5	589.7	571.3	562.6	562.5	563.8	564.7	564.1	560.9	561.	562.5	34 30
20	559.	565.4	598.2	569.4	563.2	563.3	562.8	555.7	561.6	560.8	560.4	563.	39 30
25	560.	565.	596.7	568.2	563.3	563.2	561.	552.6	561.5	560.6	560.1	562.6	44 30
30	560.	568.2	593.3	567.2	564.5	563.2	561.6	552.8	562.5	560.7	560.5	561.5	49 30
35	560.5	568.2	588.5	565.2	563.2	563.4	562.1	557.7	562.6	560.7	561.9	562.5	54 30
40	560.5	568.2	586.5	564.7	562.9	563.2	563.8	563.7	.....	560.8	561.3	562.4	59 30
45	560.6	567.2	584.2	564.2	563.5	564.3	569.7	569.	560.4	560.4	561.3	563.4	4 30
50	560.5	567.	580.	563.6	563.1	563.1	579.9	572.7	560.4	561.	561.2	562.	9 30
55	560.	567.5	574.7	563.5	562.6	564.5	587.6	574.	560.	560.8	561.7	563.1	14 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	563.1	563.	562.	565.2	566.	562.3	561.5	559.5	557.3	557.6	557.	559.7	19 30
5	563.	564.	561.3	565.6	564.5	563.	561.2	558.7	557.3	556.2	556.5	560.2	24 30
10	562.5	562.3	560.3	565.9	565.	562.3	561.1	559.3	557.2	555.9	557.8	559.4	29 30
15	562.9	562.1	560.5	565.9	564.9	563.1	562.	559.	557.6	556.2	558.1	559.5	34 30
20	562.5	562.5	560.7	566.3	563.7	562.	560.	558.2	557.2	555.4	558.3	559.8	39 30
25	562.1	563.1	559.8	566.4	564.3	561.2	560.6	558.9	557.6	555.9	558.6	559.7	44 30
30	562.6	563.1	562.9	566.2	564.2	562.5	561.2	558.8	557.4	556.5	560.7	559.5	49 30
35	561.9	563.5	561.4	565.7	563.5	563.2	561.	557.6	556.2	556.8	558.1	559.3	54 30
40	561.7	563.9	562.1	565.5	564.5	562.1	560.2	557.5	557.	556.9	558.4	559.6	59 30
45	561.6	563.	563.4	565.5	564.	562.	560.3	557.3	557.1	557.1	558.5	560.3	4 30

Göttingen time....	22 16	23 17	0 18	1 19	2 20	3 21	4 22	5 23	6 0	7 1	8 2	9 3...	Observatory time.
m. *s.*													*m.*
2 30.....	863.7	875.7	879.	867.5	858.5	851.	856.	.....	853.5	851.	849.4	852.2	22
12 30.....	864.5	876.7	888.	888.	854.7	848.	858.6	833.5	857.5	851.7	848.8	851.9	32
22 30.....	868.5	882.5	870.	887.2	850.2	846.6	861.9	835.8	....	851.2	849.6	850.2	42
32 30.....	863.6	886.5	860.5	884.2	850.7	859.2	859.8	847.5	857.1	854.3	850.	847.2	52
42 30.....	865.2	883.2	888.1	881.5	850.2	857.3	852.7	853.1	853.	851.3	850.8	850.1	 2
52 30.....	871.4	880 5	856.9	871.7	848.2	859.5	844.4	856.5	849.5	851.1	849.	851.2	12
Thermometer.....	64.6	63.9	62.7	62.	62.	62.5	62.8	63.	63.6	64.2	64.7	64.4	...Thermometer.

Göttingen time....	*h.* 10 4	*h.* 11 5	*h.* 12 6	*h.* 13 7	*h.* 14 8	*h.* 15 9	*h.* 16 10	*h.* 17 11	*h.* 18 12	*h.* 19 13	*h.* 20 14	*h.* 21 15...	Observatory time.
m. *s.*													*m.*
2 30.....	849.5	843.9	849.	846.5	841.2	840.1	840.5	840.4	846.	845.1	849.	837.9	22
12 30.....	849.9	845.6	847.3	845.4	842.6	841.	841.5	840.7	845.2	845.7	838.9	837.9	32
22 30.....	850.3	845.6	842.7	845.3	842.1	837.5	842.5	839.7	848.	848.	848.5	839.1	42
32 30.....	846.3	844.4	843.5	842.9	841.8	841.	840.5	844.	846.4	844.5	850.2	844.4	52
42 30.....	845.8	843.5	846.3	842.6	840.	839.	839.	843.	846.2	846.4	850.4	843.7	 2
52 30.....	844.8	846.2	841.5	842.2	841.6	840.2	840.5	845.2	846.1	848.3	846.7	844.3	12
Thermometer.....	63.4	62.4	61.6	61.7	61.8	62.	63.3	64.5	65.4	66.3	67.	67.6	...Thermometer.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	Observatory time.
m. s.													m.
7 30.....	773.5	775.2	760.7	748.7	740.7	747.8	759.1	772.1	774.	782.	791.5	796.5	27
17 30.....	775.5	774.2	759.5	745.	741.	749.9	761.	773.4	775.	783.2	793.	796.2	37
27 30.....	776.5	773.	757.5	742.7	742.2	751.6	762.2	775.7	773.6	785.3	793.7	796.	47
37 30.....	777.	769.	755.5	740.2	742.4	753.5	763.4	776.1	776.	786.7	795.1	792.8	57
47 30.....	777.	765.	754.	739.7	745.1	755.5	766.7	775.4	....	....	795.2	791.9	 7
57 30.....	776.7	763.	751.2	739.7	746.7	757.6	771.	774.3	780.	790.2	795.9	788.5	17
Thermometer.....	71.8	69.6	68.2	68.	68.7	69.8	70.6	70.7	71.5	72.5	73.	72.3	..Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	Observatory time.
m. s.													m.
7 30.....	786.2	770.7	752 9	743.2	732.1	730.	741.	759.5	777.4	791.3	794.9	800.4	27
17 30.....	783.3	768.4	749.7	741.3	730.7	731.	744.	762.2	780.	792.4	793.3	806.2	37
27 30.....	781.4	765.4	747.5	738.9	730.	732.5	747.1	765.6	782.9	793.3	787.7	807.1	47
37 30.....	778.1	762.1	746.8	736.8	729.	735.	750.3	768.5	786.1	793.2	782.6	807.4	57
47 30.....	775.8	758.7	744.4	736.	729.2	736.4	753.7	771.4	787.8	793.6	787.2	807.2	 7
57 30.....	772.9	756.5	745.	734.	730.	739.	756.2	774.7	789.5	794 2	793.3	815.	17
Thermometer.....	70.1	68.4	67.9	67.5	67.8	68.8	70.6	72.3	73.5	74.	76.	81.3	..Thermometer.

Gottingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3....	..Observatory time.
m.													m. s.
0.....	559.1	564.	568.2	575.	586.2	575.7	574.5	571.9	567.6	564.7	570.2	575.5	.....19 30
5	560.	565.2	568.5	576.1	582.1	573.6	574.2	572.3	570.1	564.8	571.1	574.9	.....24 30
10.....	560.3	565.	569.5	580.5	582.1	575.9	574.2	571.	567.7	563.2	571.9	570.6	.....29 30
15.....	560.3	565.5	569.1	588.2	582.	576.6	573.6	571.1	569.	562.6	572.	573.2	.....34 30
20.....	562.	564.9	571.2	591.	579.2	574.6	572.3	.....	569.	563.9	575.8	572.8	.....39 30
25.....	562.	566.5	572.	590.5	579.	574.3	572.5	569.1	570.	564.9	572.8	570.3	.....44 30
30.....	561.8	566.4	572.5	587.6	580.	575.9	572.9	569.5	.....	.....	572.6	570.6	.....49 30
35.....	563.5	566.	571.7	586.6	578.2	577.	573.4	569.3	568.8	566.4	572.7	570.3	.....54 30
40.....	563.4	565.5	570.7	586.1	577.2	577.6	572.7	567.6	569.	567.5	571.7	566.9	.....59 30
45.....	563.4	566.2	573.2	589.	579.	576.4	572.5	569.9	566.3	568.5	572.9	565.4	..... 4 30
50.....	563.6	567.5	571.2	590.2	576.7	576.5	572.6	.....	565.4	568.5	571.6	567.1	..... 9 30
55.....	564.2	566.7	572.5	588.5	576.5	575.8	573.8	.....	565.	569.2	572.	568.2	.....14 30

Gottingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
0.....	567.9	574.7	576.6	580.	581.2	578.7	577.3	573.3	564.6	561.1	563.	563.5	.....19 30
5.....	570.6	574.5	577.3	579.9	582.5	581.	577.7	570.4	562.7	562.8	562.9	563.8	.....24 30
10.....	571.8	574.	576.8	580.5	581.7	579.2	578.	564.7	561.7	560.9	562.5	562.7	.....29 30
15.....	573.3	574.4	576.5	579.5	581.2	580.2	577.	567.5	561.1	561.4	563.3	563.4	.....34 30
20.....	574.7	574.6	578.1	582.1	580.9	579.9	577.1	566.4	562.7	563.	562.8	563.2	.....39 30
25.....	575.3	574.9	578.1	581.3	581.9	579.7	575.5	566.8	560.1	563.5	565.1	564.2	.....44 30
30.....	573.9	574.9	579.1	580.9	581.5	579.8	574.5	565.9	560.1	562.3	562.6	563.6	.....49 30
35.....	574.4	574.4	578.9	580.7	581.1	580.2	574.	566.3	561.5	564.8	562.2	565.7	.....54 30
40.....	575.3	574.5	577.6	580.	580.1	578.9	574.5	565.7	559.8	562.9	562.8	564.7	.....59 30
45.....	574.9	575.9	576.6	579.	580.	579.6	573.4	567.5	559.7	563.2	562.	564.4	..... 4 30
50.....	574.5	576.6	578.3	579.2	580.2	578.2	572.8	566.6	559.9	563.4	562.2	565.2	..... 9 30
55.....	574.9	576.1	579.4	580.3	581.2	577.6	572.5	565.2	560.6	564.2	562.7	565.3	.....14 30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
2 30	795.	790.5	795.9	805.5	823.7	819.4	819.4	823.6	828.5	825.5	824.6	830.6	22
12 30	797.4	791.8	789.2	813.5	822.2	813.	820.8	820.8	823.5	822.6	828.2	834.7	32
22 30	796.2	794.2	783.5	814.	821.9	815.6	818.	.....	824.8	.....	832.6	836.4	42
32 30	794.5	795.2	784.	814.2	817.2	815.6	820.2	825.5	828.8	.....	830.6	836.	52
42 30	789.7	798.	782.7	815.	816.2	812.2	823.3	820.6	832.8	822.	826.8	837.	2
52 30	790.2	797.5	792.	819.5	816.2	817.	821.9	823.7	828.7	823.6	828.8	833.5	12
Thermometer	36.8	37.9	40.1	44.2	49.1	53.1	55.9	58.1	60.7	62.4	63.3	63.	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
2 30	830.2	823.7	817.9	816.2	820.5	821.7	828.5	832.	833.5	839.1	815.	810.6	22
12 30	829.6	822.9	819.1	813.7	819.7	826.	829.6	835.2	837.2	833.4	816.7	808.9	32
22 30	827.	821.2	817.7	813.2	822.7	824.	832.2	833.3	839.7	830.3	813.8	806.9	42
32 30	829.9	819.1	818.1	814.7	824.	827.7	832.7	829.2	836.1	823.	815.7	807.2	52
42 30	827.6	818.5	816.5	818.6	821.5	828.3	831.6	823.6	839.7	815.8	815.9	805.9	2
52 30	824.9	816.9	815.9	820.7	825.5	830.6	831.7	828.4	839.7	816.4	813.7	805.9	12
Thermometer	60.4	58.4	57.6	56.7	55.4	52.8	50.5	49.4	50.7	52.2	51.4	48.9	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m. s.													m.
7 30	334.	348.	377.	448.	530.2	592.1	639.	677.4	708.9	736.6	759.6	766.4	27
17 30	336.	352.	386.2	462.7	542.	601.1	645.6	.....	.....	.....	762.3	766.	37
27 30	338.	355.5	395.5	476.2	552.2	609.	654.8	.....	720.	745.8	762.8	762.9	47
37 30	340.3	359.7	408.	489.7	562.7	616.6	661.2	692.8	723.5	765.8	764.	758.2	57
47 30	341.4	364.7	420.5	506.2	572.7	624.5	665.8	697.4	727.	752.7	766.	756.2	 7
57 30	345.	370.	432.7	518.7	582.2	632.3	670.8	.....	730.1	756.6	767.4	753.	17
Thermometer	37.	38.8	42.2	52.2	57.1	61.2	64.7	67.4	69.4	70.6	71.	69.1	..Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m. s.													m.
7 30	748.9	719.1	707.	695.1	686.2	655.	617.5	603.3	607.6	634.9	651.1	630.5	27
17 30	742.1	716.4	703.	693.8	683.4	646.2	613.2	601.5	610.8	640.6	650.2	624.4	37
27 30	736.5	713.7	700.	693.1	681.	638.7	610.5	600.2	614.4	646.1	650.1	617.6	47
37 30	729.3	712.1	699.	690.5	677.8	630.7	607.2	600.7	618.7	650.8	648.1	611.3	57
47 30	724.8	710.1	697.2	690.5	670.	624.5	605.3	602.2	624.4	652.7	643.1	604.1	 7
57 30	722.	707.7	695.2	687.5	663.2	620.1	604.	604.6	630.1	646.5	637.4	598.2	17
Thermometer	65.5	64.7	64.6	64.	62.3	58.6	56.7	57.4	60.6	62.7	62.2	56.2	..Thermometer.

MAGNETIC TERM DAY.—HORIZONTAL FORCE MAGNETOMETER. [1843.

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.
m.													m. s.
2.....	842.3	839.9	844.8	846.9	846.6	851.1	848.7	848.5	840.7	850.1	855.	853.6	.....21 30
8.....	840.9	842.2	847.9	847.5	846.	851.6	848.2	850.2	845.3	852.6	853.4	853.	.....27 30
14.....	841.4	842.6	849.3	846.2	847.1	850.	851.8	851.2	849.2	856.2	855.1	854.7	.....33 30
20.....	840.7	843.1	848.2	844.6	846.8	850.2	854.	853.6	854.1	857.8	854.2	852.2	.....39 30
26.....	841.	842.7	848.9	848.7	847.2	.....	858.	.....	855.9	857.2	852.5	853.7	.....45 30
32.....	839.	844.5	850.2	847.2	846.5	851.6	860.2	.....	857.1	855.7	853.	852.9	.....51 30
38.....	838.7	845.1	850.5	847.7	846.4	853.	861.7	852.2	854.2	856.8	854.3	852.6	.....57 30
44.....	838.	845.4	848.8	847.6	846.4	851.5	859.2	843.	851.7	855.5	855.3	854.7	..... 3 30
50.....	837.6	846.2	848.4	847.6	848.4	855.3	856.6	837.1	852.2	855.6	855.	854.4	..... 9 30
56.....	838.	845.9	848.4	847.8	849.5	843.4	856.1	840.2	850.	853.4	854.8	853.2	.....15 30
Thermometer...	64.8	66.	66.2	65.9	66.5	67.	66.7	66.5	66.9	67.7	67.9	68.5	.....Thermometer.

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
2.....	852.1	856.	856.1	863.2	868.4	872.8	875.3	873.8	871.9	869.5	865.1	865.9	.....21 30
8.....	855.2	856.7	856.6	865.1	868.5	872.7	875.6	874.7	873.8	868.4	864.	865.9	.....27 30
14.....	854.5	857.2	857.	866.4	868.8	875.6	874.6	873.7	871.6	868.3	866.4	865.2	.....33 30
20.....	855.3	855.7	859.8	866.7	870.4	875.2	876.9	874.4	872.1	869.6	867.8	863.7	.....39 30
26.....	857.2	857.7	859.	866.7	872.5	874.2	878.1	874.9	870.7	868.6	866.2	862.9	.....45 30
32.....	857.3	857.9	858.5	864.1	871.5	874.4	876.1	872.4	874.2	870.9	867.7	861.8	.....51 30
38.....	855.4	857.1	858.	865.3	870.	875.5	876.4	876.2	871.2	870.6	865.7	862.	.....57 30
44.....	857.4	856.3	859.	867.8	869.5	872.2	875.2	879.	869.9	867.1	864.8	864.3	..... 3 30
50.....	855.5	858.5	860.2	865.5	869.7	874.2	875.3	874.5	868.	868.	865.2	865.1	..... 9 30
56.....	855.3	857.4	860.9	866.6	872.5	874.3	875.5	875.4	868.9	869.3	865.	862.5	.....15 30
Thermometer...	68.6	68.1	67.5	66.8	66.3	66.9	67.8	68.7	69.3	70.3	70.9	71.7	.....Thermometer.

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
4	732.1	741.4	752.5	751.	752.1	.....	764.	.....	764.1	775.2	784.	792.2	.....23 30
10	732.7	742.7	753.	750.9	752.2	.....	764.	760.	765.3	776.4	784.5	791.6	.....29 30
16	733.4	744.5	753.2	750.7	752.8	760.9	762.7	759.3	766.1	777.8	785.1	791.8	.....35 30
22	734.5	745.8	753.5	750.6	754.1	762.2	763.	.....	766.9	778.6	786.	795.	.....41 30
28	735.4	747.2	753.4	750.4	754.9	762.	762.2	758.6	766.8	779.3	786.9	795.7	.....47 30
34	736.	748.6	753.1	746.7	756.	762.6	761.9	759.1	768.2	780.5	787.2	796.8	.....53 30
40	736.8	749.7	753.1	750.6	757.2	760.5	765.4	759.6	768.8	781.5	788.	797.5	.....59 30
46	737.9	750.7	752.8	750.6	758.3	762.8	760.1	760.4	770.3	781.9	788.7	798.	..... 5 30
52	738.8	751.4	752.1	751.	759.6	762.9	760.	761.8	771.8	782.6	790.5	798.9	.....11 30
58	740.	752.	751.9	751.6	760.4	763.7	760.	763.1	773.3	783.3	791.4	799.	.....17 30
Thermometer...	70.2	71.3	71.	70.6	71.7	72.1	71.5	71.5	72.3	73.4	73.8	74.4	.....Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
4	799.7	797.9	791.9	780.5	764.7	752.8	751.9	755.9	763.1	775.5	789.1	803.	.....23 30
10	800.	797.9	790.9	779.3	764.5	752.5	752.1	756.4	763.8	776.3	789.	.....	.....29 30
16	800.	797.5	789.9	778.	763.5	752.1	752.4	756.9	764.7	777.7	790.6	804.	.....35 30
22	800.1	797.	789.2	776.6	761.6	751.8	753.1	757.2	765.8	778.6	793.7	803.5	.....41 30
28	799.9	796.3	788.4	775.6	760.5	751.5	753.9	758.	767.2	780.	796.	803.1	.....47 30
34	799.3	795.8	787.1	773.8	758.5	751.3	754.3	759.5	768.8	780.1	798.3	802.5	.....53 30
40	799.1	795.2	786.1	772.1	757.	751.1	754.6	759.9	770.7	770.5	799.7	802.4	.....59 30
46	799.	794.6	784.5	770.9	755.8	750.9	755.1	760.6	771.6	773.6	801.	803.	..... 5 30
52	798.8	793.9	782.5	769.2	754.7	751.2	755.4	761.3	772.6	772.1	801.7	802.5	.....11 30
58	798.6	792.7	782.1	767.5	753.8	751.3	755.7	762.2	774.9	774.6	802.8	802.9	.....17 30
Thermometer...	74.2	73.1	72.	71.	70.3	71.3	72.1	72.6	74.1	75.5	76.	75.8	.....Thermometer.

May 26, 27.)

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
0	557.3	564.5	568.	566.	565.4	563.5	562.5	565.2	564.9	566.2	568.5	571.1	.....19 30
6	555.1	565.2	567.5	565.2	567.	566.2	563.2	565.4	564.5	566.4	568.9	572.2	.....25 30
12	554.5	566.5	567.4	563.9	567.9	565.9	564.8	564.2	564.6	566 5	569.5	572.2	.....31 30
18	554.7	570.7	568.9	563.2	566.1	566.4	565.	.....	564.2	566.9	569.7	573.	.....37 30
24	553.3	572.1	569.7	562.7	566.7	565.2	565.6	565.3	564.4	567.	570.2	573.1	.....43 30
30	556.2	572.5	569.3	564.8	566.	563.2	565.2	564 8	566.5	567.3	570.5	573.6	.....49 30
36	559.6	572.7	568.8	564.7	566.2	562.2	565.1	563.9	564.3	565.6	570.2	574.2	.....55 30
42	562.	570.3	566.9	565.7	566.	563.6	565.	564.3	566.5	568.1	571.3	574.5	..... 1 30
48	563.2	569.8	566.7	565.4	565.7	563.2	565.4	564.2	566.	568.1	571.3	574.4	..... 7 30
54	563.7	569.4	565.2	565.6	565.7	562.2	565.5	564.7	566.5	567.7	571.1	576.	.....13 30

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
0	573.7	574.7	576.4	576.4	575.5	571.2	566.1	558 9	554.7	552.2	555.	559.7	.....19 30
6	573.5	574.	576.4	576.5	574.5	570.	565.5	558.7	554.6	552.2	554.7	560.2	.....25 30
12	574.7	575.1	576.4	576.5	573.6	570.2	564.2	558.	554.3	552.6	555.3	.....	.....31 30
18	575.2	575.6	576.3	577.9	573.3	570.1	563.4	557.8	554.	553.9	556.2	561.5	.....37 30
24	575.2	575.5	576.4	576.7	572.4	569.1	562.3	557.	553.2	553.2	556.8	561.7	.....43 30
30	576.2	575.6	576.7	578.	572.6	567.	561.1	556.1	552.7	553.4	557.3	562.3	.....49 30
36	574.6	575.7	577.1	576.	572.9	566.1	559.8	555.6	552.8	553.8	557.6	562.8	.....55 30
42	574.	575.2	576.9	575.7	573.	565.7	562.6	556.2	553.	553.8	557.9	563.	..... 1 30
48	574.2	576.	577.	575.8	.....	565.	559.2	556.2	553.1	554.4	558.2	563.	..... 7 30
54	574.1	575.5	577.	575.6	571.4	565.8	559.2	555.8	553.4	554.2	558.6	563.7	.....13 30

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
2	888.5	914.8	880.5	906.2	903.3	902.5	890.1	876.5	872.4	870.5	867.	867.	.....21 30
8	875.7	897.8	885.2	907.9	898.6	898.6	882.2	874.	871.8	868.4	867.2	869.7	.....27 30
14	878.5	886.	887.9	909.6	.....	894.3	881.7	872.4	870.3	867.9	867.1	866.3	.....33 30
20	878.7	878.7	876.5	914.3	894.	890.1	881.2	873.1	871.3	868.8	868.2	863.5	.....39 30
26	898.2	868.4	881.7	914.7	892.2	888.9	883.6	871.3	870.9	869.5	868.1	863.5	.....45 30
32	911.	873.6	888.5	916.9	894.4	891.4	879.9	869.1	873.2	869.4	867.3	861.8	.....51 30
38	921.2	871.4	898.7	913.2	892.7	890.4	880.	870.2	870.2	868.5	869.1	862.9	.....57 30
44	919.9	874.2	900.9	907.8	897.	887.5	878.5	867.5	868.4	868.	870.2	862.4	..... 3 30
50	921.9	877.7	903.1	907.1	895.5	887.2	877.9	869.9	868.7	868.9	868.1	869.9	..... 9 30
56	918.	875.9	904.9	907.	898.1	889.2	874.4	873.1	871.8	868.4	869.5	871.1	.....15 30
Thermometer...	72.8	72.3	71.4	70.7	70.	69.1	68.6	67.8	67.	66.3	65.9	65.1	.... Thermometer.

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
2	865.6	878.	881.1	886.4	892.2	900.2	889.9	877.4	863.7	859.4	854.8	864.1	.....21 30
8	867.2	880.2	881.9	887.	894.3	899.8	.....	875.2	861.	861.5	849.2	863.8	.....27 30
14	.....	877.3	882.1	887.5	893.3	898.3	889.5	873.8	861.1	858.8	846.6	863.6	.....33 30
20	864.1	876.7	882.9	888.1	893.1	896.9	890.	873.2	864.	857.	857.5	865.4	.....39 30
26	879.	877.7	882.9	889.	892.5	898.7	889.4	873.9	865.4	857.6	863.6	867.3	.....45 30
32	879.7	877.3	884.	889.7	892.3	895.3	887.8	872.2	866.2	856.7	864.7	865.4	.....51 30
38	876.8	879.	884.7	889.2	893.3	896.8	886.	870.	863.2	856.7	866.2	870.2	.....57 30
44	876.7	879.	885.	890.5	895.7	895.4	883.	861.4	861.1	856.3	867.5	874.2	..... 3 30
50	877.	880.5	885.7	891.4	898.7	891.5	880.6	859.	856.9	856.9	869.9	874.5	..... 9 30
56	877.2	880.4	886.2	890.8	900.3	892.7	877.1	860.8	857.4	858.9	870.1	872.7	.....15 30
Thermometer...	64.8	64.4	64.2	64.	63.8	63.7	64.	64.4	64.9	65.8	67.	67.8	.... Thermometer.

May 26, 27.]

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
													m. s.
m.	781.	778.9	767.	755.6	742.	731.9	732.4	716.5	710.	701.	693.3	686.7	28 30
4	778.6	777.9	766.2	753.9	739.6	731.	722.	716.	709.	700.3	691.3	686.4	29 30
10	777.9	777.6	765.4	751.6	738.9	730.1	711.	715.3	708.3	699.	690.8	685.7	35 30
16	777.8	775.3	763.7	750.1	738.1	729.1	720.3	714.7	707.4	698.3	690.	684.4	41 30
22	778.	773.7	762.5	749.	737 1	728.1	719.3	714.3	706.7	697.3	689.3	683.9	47 30
28	778.2	771.9	761.1	747.2	737.	728.	718.6	716.5	705.9	696.5	689.	681.7	53 30
34	778.1	770.7	760.2	746.4	735.2	726.	718.5	712.8	705.4	695.9	688.6	681.1	59 30
40	778.6	769.9	759.	745.1	734.6	.....	718.	712.	704.6	695.	688.5	680.	5 30
46	779.4	769.	757.7	743.2	734.	724.4	717.9	711.2	703.	694.	687.9	679.8	11 30
52	779.7	767.9	757.	742.9	733.	723.2	717.	711.5	702.	692 8	687.6	*678.	17 30
58													
Thermometer	73.8	73.6	72.5	71.7	71.	70.2	69.7	68.9	68.2	67.4	67.1	66.6	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
													m. s.
m.													
4	677.8	671.	667.5	664.	658.2	656.	657.9	660.5	662.	665.7	674.8	682.7	23 30
10	677.	671.	667.	663.5	658.	656.	657.8	660.5	661.9	666.3	675.5	683.5	29 30
16	676.4	670.	666.7	663.2	657.6	656.	658.2	660.5	662.2	667.1	676.1	683.8	35 30
22	675.7	669.9	666.	663.	657.	656.3	658.6	660.8	663.	667.9	677.3	684.5	41 30
28	675.6	669.2	666.	662.	656.4	656.1	658.9	660.9	663.5	668.8	678.3	684.9	47 30
34	674.1	669.	665.2	661.2	656.7	655.8	659.2	661.1	664.	668.9	679.4	685.2	53 30
40	673.4	668.	665.2	660.5	656.6	656.3	659.6	661.6	664.9	670.	680.1	686.1	59 30
46	673.	668.	665.	660.5	656.7	656.5	660.2	661.7	665.	671.5	680.9	686.6	5 30
52	672.7	668.	665.	660.	656.1	657.	660.3	661.9	665.	672.6	681.4	687.4	11 30
58	672.	667.5	664.	659.2	656.	657 2	660.3	662.	665.5	673.8	682.2	687.6	17 30
Thermometer	66.3	66.	65.8	65.6	65.3	65.5	65.8	66.2	66.9	68.1	68.5	68.8	Thermometer.

* One minute late.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
2	893.5	912.2	907.4	913.6	914.8	911.8	910.5	917.9	913 5	912.6	908.2	911.9	..... 21 30
8	892.9	915.3	906.6	915.8	915.2	913 4	912.	918.	914.1	913.1	909	911.8	..... 27 30
14	893.6	904.7	910.2	914.9	916.3	915.4	913.	916.6	914.1	912.6	908.6	912.	..... 33 30
20	893.2	908.8	910.2	915.	912.1	916.	914.2	914.7	914.	911.3	908.5	912.4	..... 39 30
26	897.3	913.5	911.1	913.9	909.	912.8	914.3	912.8	914.7	912.2	906.4	911.3	..... 45 30
32	897.4	910.8	912.7	913.8	906.4	910.7	914.4	915.2	914.4	912.	911.8	910.6	..... 51 30
38	899.7	911.3	911.2	914.2	904.4	909.	914.7	916.7	914.6	914.	910.9	909.1	..... 57 30
44	899.4	905.5	912.	915.1	908.2	909.	917.	915.	912.7	912.	911.8	909.2	..... 3 30
50	900.3	901.7	911.6	914.7	911 2	910.6	917.	915.3	913.9	912.8	911.4	907 6	..... 9 30
56	910.7	907.4	911.6	914.5	910.9	911.7	917.6	914.8	913.5	909.9	914.3	906.8	..... 15 30
Thermometer	78.	79.4	80.5	80.8	80.4	80.	79.5	78.7	78 3	77.7	77.3	76.8	.... Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
2	905.	902.1	903.4	909.3	916.8	925.9	923.5	920.9	912.6	904.2	906.2	909.8	..... 21 30
8	903.7	901.3	903.8	909.8	918.1	926.7	927.	920.1	912.	903.8	905.9	910.2	..... 27 30
14	902.3	902.4	904.5	910.7	919.6	925.7	926.6	920.1	911.2	903.5	906.1	911.3	..... 33 30
20	903.	902.1	904.9	911.5	921.	925.6	926.2	918.	909.5	904.	908.1	911.5	..... 39 30
26	902	901.9	905.	912.1	922.	924.4	925.	916.7	908.6	904.3	908.1	909.9	..... 45 30
32	901.4	901.8	906.1	912.2	923.2	923 9	923.7	916.6	906.9	904.	907.4	910.5	..... 51 30
38	900.4	902.5	906.3	913.6	924 9	923.6	924.1	916.	905.9	904.8	907.9	911.4	..... 57 30
44	901.	903.2	906.8	913.3	926.1	922.9	922.7	914.4	905.2	905.7	908.2	911.9	..... 3 30
50	901.7	902.3	908.5	915.	925.8	922.4	922.8	913.9	904.9	905.2	908.8	912.8	..... 9 30
56	901.	903.1	908.9	915.4	926.5	923.2	920.8	912.5	904.7	904.9	908.8	912.9	..... 15 30
Thermometer	76.4	76.1	75.7	75.7	75.8	76.2	76.9	77.7	78.4	79.5	80.6	81.7	.... Thermometer.

Göttingen time...	*h.* 22 16	*h.* 23 17	*h.* 0 18	*h.* 1 19	*h.* 2 20	*h.* 3 21	*h.* 4 22	*h.* 5 23	*h.* 6 0	*h.* 7 1	*h.* 8 2	*h.* 9 3	...Observatory time.
m.													*m.* *s.*
4	774.7	790.6	803.8	814.	817.9	821.5	822.5	821.9	820.1	816.4	814.	811.8	..... 23 30
10	776.1	792.3	805.1	813.7	817.9	821.4	822.3	821.5	819.4	816.1	813.9	811.1	..... 29 30
16	777.3	791.	806.3	814.3	818.2	821.4	822.4	821.3	819.1	816.2	813.8	810.8	..... 35 30
22	778.7	795.1	807.3	815.1	818.3	821.5	822.4	821.	818.9	816.2	813.5	810.6	..... 41 30
28	780.8	796.9	808.3	815.6	819.	821.5	822.4	820.9	818.9	815.7	813 8	809.	..... 47 30
34	782.3	798.2	809.4	816.	819.9	821.6	822.4	820.6	818.	814.9	813.9	809.	..... 53 30
40	784.3	800.1	810.5	816.5	820.4	822.	822.4	820 6	817.8	815.	813.9	808.2	..... 59 30
46	785.6	801.3	811.8	816.7	820.7	822.2	822.2	820.5	817.6	814.8	813.1	808.1	..... 5 30
52	787.3	801.6	812.2	816.8	821.	822.4	822.3	820.6	817.1	814.6	813.	807.	..... 11 30
58	789.	802.7	813.3	817.2	821.1	822.4	822.3	820.3	816.9	813.8	812.	807.	..... 17 30
Thermometer...	78.3	79.1	79 5	79.9	79.9	79.8	79.4	78.8	78 5	78.1	77.9	77.4	.... Thermometer.

Göttingen time...	*h.* 10 4	*h.* 11 5	*h.* 12 6	*h.* 13 7	*h.* 14 8	*h.* 15 9	*h.* 16 10	*h.* 17 11	*h.* 18 12	*h.* 19 13	*h.* 20 14	*h.* 21 15	...Observatory time.
m.													*m.* *s.*
4	806.	802.3	799.4	797.3	796.3	798.9	803.1	807.7	810.5	817.	823.8	827.5	..... 23 30
10	805.7	802.1	798.9	797.4	797.3	800.8	803.4	807.7	811.8	818.1	824.4	827.9	..... 29 30
16	805.2	802.1	798.7	797.1	797.2	801.1	803.9	807.8	812.2	819.1	824.9	828.4	..... 35 30
22	804.6	802.	798.2	797.1	797.2	801.8	804.9	808.2	812.6	820.2	825.2	829.3	..... 41 30
28	804.	801.9	798.	796.9	797.5	802.1	805 4	808.3	813.8	820.7	825.3	830.1	..... 47 30
34	803.4	801.3	797.9	796.9	797.6	802.1	806.	808.5	813.5	821.2	825.5	831.5	..... 53 30
40	803.2	801.	798.	796.8	797.8	802.5	806.4	808.6	813.7	821.7	825.9	832.2	..... 59 30
46	803.1	800.4	797.9	796.6	797.8	802.7	806.9	808.9	814.2	822.2	826.	832.7	..... 5 30
52	803.	800.2	797.7	797.1	798.1	802.7	807.3	809.2	814.8	822.6	826.6	833.8	..... 11 30
58	802.7	800.	797.8	797.4	798.6	802.8	807.6	810.1	815.9	823.	827.	834.6	..... 17 30
Thermometer...	76.9	76.8	76.7	76.7	76.8	77.2	77.9	78.7	79.8	80.5	80.9	82.	.... Thermometer.

GENERAL NOTE.

The observations are as in June, 1843.

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
2	949.2	945.7	958.7	956.	956.3	956.3	959.8	961.1	949.1	942.3	936.3	936.4	.....21 30
8	951.4	945.	958.1	956.6	957.9	956.8	960.1	961.2	948.7	941.6	937.	935.6	.....27 30
14	948.8	944.6	957.5	956.3	956.6	955.6	958.1	959.1	947.8	939.9	937.	935.7	.....33 30
20	947.5	946.2	957.7	956.5	955.6	958.1	960.8	957.1	945.5	938.	935.5	935.1	.....39 30
26	949.	946.1	959.2	955.7	956.	955.	960.5	956.7	945.7	938.	937.	936.2	.....45 30
32	948.7	950.	959.3	954.7	957.9	954.7	960.2	953.	944.8	936.4	936.7	935.6	.....51 30
38	949.8	952.9	958.5	954.	956.8	955.2	962.2	951.1	944.3	....	936.1	936.	.....57 30
44	*950.	953.9	958.2	955.7	954.4	955.5	962.5	951.3	944.4	937.	935.9	937.1	..... 3 30
50	951.5	955.5	957.6	956.8	956.5	957.6	964.3	951.4	944.	936.5	936.4	936.3	..... 9 30
56	948.8	957.4	956.8	955.6	958.9	962.	961.4	949.9	943.8	937.	938.1	935.	.....15 30
Thermometer...	84.5	84.7	84.1	83.7	82.7	81.3	81.6	79.	78.5	77.7	77.1	76.6	.....Thermometer.

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
2	934.1	929.8	925.8	927.6	936.5	939.2	947.1	945.7	935.9	929.6	928.1	920.7	.....21 30
8	933.9	929.4	925.1	928.4	937.2	940.1	946.9	944.9	935.9	929.4	929.2	920.6	.....27 30
14	933.3	929.1	925.4	928.9	937.	941.5	947.9	945.1	935.4	930.6	927.7	920.3	.....33 30
20	933.6	927.7	925.2	929.9	939.	942.9	948.6	944.3	932.3	930.9	927.4	919.7	.....39 30
26	932.5	926.9	924.5	931.6	938.6	944.5	948.8	943.2	932.	930.1	927.3	919.1	.....45 30
32	932.4	926.2	925.2	932.4	938.9	945.9	947.9	942.9	931.	929.	926.	918.9	.....51 30
38	932.3	926.7	925.3	933.2	938.6	945.1	947.9	941.7	930.	928.3	925.7	918.8	.....57 30
44	932.3	927.2	925.5	933.3	940.	945.7	948.5	940.3	929.	927.7	924.9	917.3	..... 3 30
50	931.7	926.1	926.6	934.8	939.2	946.6	947.5	939.2	930.1	927.4	923.3	916.1	..... 9 30
56	930.8	926.6	926.7	936.3	939.3	946.7	946.7	937.7	930.2	928.3	922.5	917.9	.....15 30
Thermometer...	76.4	74.5	73.7	73.3	73.2	73.4	73.8	74.2	74.7	75.	75.4	76.1	.....Thermometer.

* Recorded 940.

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
0	532.3	535.9	534.8	533.5	533.9	546.7	516.	532.1	534.2	529.3	528.2	539.2	.....19 30
6	532.5	534.9	534.3	533.1	533.8	549.1	545.3	532.9	533.	530.6	531.	538.9	.....25 30
12	532.9	535.2	533.5	533.4	533.	548.8	542.3	533.4	531.3	532.1	531.8	539.1	.....31 30
18	533.2	534.7	534.3	534.5	533.1	548.1	539.	533.	531.5	533.3	533.2	538.6	.....37 30
24	533.6	534.5	534.4	534.8	533.3	547.2	537.3	533.6	532.	531.4	534.4	539.9	.....43 30
30	533.	534.4	534.4	535.	533.9	547.8	538.4	533.9	533.1	528.5	534.3	539.8	.....49 30
36	532.9	534.3	534.3	534.9	533.9	546.5	540.3	534.1	535.6	526.6	535.7	540.2	.....55 30
42	532.9	534.3	534.3	534.2	535.4	546.9	540.1	535.	537.4	526.	535.9	540.9	..... 1 30
48	535.5	533.9	533.8	534.6	539.6	546.1	536.7	534.9	535.9	526.9	536.7	540.	..... 7 30
54	531.	534.8	534.8	534.1	542.6	545.3	533.8	535.3	531.	527.7	537.9	537.8	.....13 30

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
0	538.3	541.9	543.6	547.2	548.	542.	532.5	524.5	519.5	520.4	525.4	530.1	.....19 30
6	540.	541.8	543.6	548.5	547.5	541.6	531.7	523.9	519.4	520.9	525.8	531.5	.....25 30
12	538.2	542.	545.1	550.4	548.4	541.2	531.2	523.2	519.2	521.4	526.4	532.7	.....31 30
18	538.9	542.5	546.3	552.1	546.9	540.1	529.9	522.7	518.8	521.9	526.8	533.5	.....37 30
24	536.8	541.4	546.4	551.5	545.9	538 8	529.5	522.3	518.7	522.3	527.1	534.1	.....43 30
30	537.5	541.7	547.9	551.2	544.9	537.3	528.5	522.3	518.8	522.8	527.7	534.4	.....49 30
36	537.8	540.6	547.2	550.5	544.9	536.2	527.8	522.	518.8	523.2	528.2	534.9	.....55 30
42	538.4	541.4	549.2	550.2	543.2	535.7	526.9	520.8	519.2	523.9	528.6	535.1	..... 1 30
48	538.4	541.	549.8	549.5	542.1	534.1	525.7	520.5	519.7	524.5	529.1	535.2	..... 7 30
54	539.4	542.4	550.8	549.1	542.5	533.3	525.2	519.8	519.6	524.9	529.4	535.	.....13 30

Göttingen time.	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
2	942.6	953.	961.8	973.5	965.3	977.3	953.2	975.2	971.	960.9	959.4	964.2	21	30
8	939.	947.4	961.9	977.9	966.7	976.5	955.6	975.8	968.4	960.7	961.5	965.8	27	30
14	938.7	.....	963.3	978.7	965.3	972.8	965.1	975.6	965.	958.5	962.	964.5	33	30
20	939.7	964.1	969.6	977.5	966.5	970.9	974.9	977.9	966.9	954.5	962.4	966.5	39	30
26	948.	965.2	971.1	975.3	963.9	968.3	983.9	978.4	966.2	951.4	963.5	963.7	45	30
32	951.3	964.	969.4	972.5	962.3	970.1	984.3	977.	964.7	958.6	965.	966.4	51	30
38	960.4	962.3	965.7	971.6	962.2	971.5	981.9	977.4	965.3	950.7	965.	969.1	57	30
44	956.4	961.9	965.6	971.1	966.6	969.	974.7	976.5	965.8	953.5	966.4	968.8	3	30
50	953.4	962.6	966.4	969.	973.	963.5	974.	975.9	961.3	954.3	963.8	969.8	9	30
56	958.	963.4	970.6	967.7	977.7	957.6	974.2	973.5	960.1	956.3	964.1	970.	15	30
Thermometer	80.6	82.	82.5	82.6	82.4	82.	81.3	80.7	79.8	79.1	78.6	77.8	Thermometer.	

Göttingen time.	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
2	969.	960.7	964.2	967.3	985.1	995.4	1006.	995.5	978.5	960.	950.8	962.4	21	30
8	965.8	961.1	964.	972.2	986.6	997.1	1004.7	994.2	976.1	958.9	951.2	965.9	27	30
14	969.9	960.5	962.2	971.4	987.9	997.6	1002.5	992.6	974.1	957.1	948.7	956.6	33	30
20	967.	962.5	961.8	973.2	988.9	1000.5	1001.8	991.9	972.2	957.8	947.6	952.5	39	30
26	966.6	963.8	960.7	973.1	989.6	1003.8	1002.	988.5	969.9	956.9	948.5	953.4	45	30
32	964.	965.3	960.6	976.4	993.9	1003.6	1002.4	984.5	968.3	956.6	947.	956.7	51	30
38	964.4	969.8	964.3	977.6	990.9	1004.7	1002.2	983.	966.6	955.	945.3	957.1	57	30
44	961.1	968.1	964.	978.4	993.1	1004.6	1000.8	980.9	963.8	953.5	951.3	955.2	3	30
50	961.	969.2	964.4	980.	991.6	1005.6	998.5	981.6	963.7	952.5	955.4	958.1	9	30
56	959.7	968.2	962.4	981.8	995.	1006.9	996.4	980.1	961.9	951.7	958.6	959.2	15	30
Thermometer	77.2	76.5	76.	75.9	76.	76.8	77.3	78.3	79.3	80.2	81.2	82.1	Thermometer.	

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
4	844.3	852.7	865.5	873.7	879.	882.3	884.9	881.9	878.4	876.3	873.1	866.6	23 30
10	844.7	853.7	866.3	874 3	879.5	881.5	885.	880.8	878.4	876.4	872.1	865.3	29 30
16	845.2	855.8	867.3	874.8	879.7	882.9	885.7	881.3	878.1	876.1	871.7	864.4	35 30
22	845.8	857.	868.3	875.3	879.9	883.1	885.	880.4	877.5	875.9	871.1	864.	41 30
28	846.7	858.6	869.3	875.8	880.2	883.4	884.8	880.2	877.2	875.1	870.1	863.2	47 30
34	847.7	859.6	869.8	876.4	880.3	883.5	884.	880.	877.4	875.	869.4	862.9	53 30
40	848.7	860.7	870.7	877.	881.4	883.3	883.6	880.6	877.6	874.7	869.	862.	59 30
46	850.1	862.2	871.5	877.7	881.6	883.6	883.6	879.6	877.1	874.1	868.3	.....	5 30
52	850.8	863.3	872.	878.	881.8	883.5	882.4	879.3	876.7	873.9	868.	860.8	11 30
58	852.6	864.4	872.8	878.7	882.	884.2	881.8	878.8	876.8	873.	867.3	860.1	17 30
Thermometer	81.4	82.2	82.5	82.6	82.6	82.1	81.7	81.	80.3	79.7	79.1	78.5	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15* 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
4	859.1	852.2	846.5	842.3	840.2	....	823.3	822.1	824.4	831.2	835.7	846.1	23 30
10	858.8	851.8	846.	842.7	839.8	....	823.	822.	824.9	831.8	836.6	847.1	29 30
16	857.6	851.	845.7	842.	839.7	....	822.6	822.1	825.4	832.3	837.3	847.3	35 30
22	856.9	850.1	845.	841.5	839.4	....	822.9	822.3	825.9	832.3	837.6	847.4	41 30
28	856.	849.5	844.5	841.1	839.1	....	822.9	822.6	827.1	832.6	838.4	847.6	47 30
34	854.9	848.7	844.1	841.	838.9	....	822.8	822.9	827.7	833.2	839.2	848.4	53 30
40	854.3	848.2	844.	840.9	838.8	....	822.3	823.2	828.5	833.5	840.3	849.4	59 30
46	853.6	847.8	843.9	840.9	838.4	....	821.7	823.3	829.3	833.8	842.	849.8	5 30
52	853.3	847.4	843.5	840.5	838.1	....	821.8	823.4	829.9	834.	842.9	851.1	11 30
58	852.7	847.	843 6	840.	838.3	....	822.	823.5	830.5	834.9	844.5	851.8	17 30
Thermometer	78.	77.6	77.2	77.1	77.3	....	78.5	79.5	80.5	81.1	82.1	82.8	Thermometer.

* Spider web attached to instrument.

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
0	538.2	541.4	541.7	540.9	539.6	555.9	513.3	542.2	535.9	547.	544.5	544.9	.....19 30
6	538.3	541.2	541.5	540.8	539.	555.3	544.7	541.2	537.9	546.	543.7	545.4	.....25 30
12	538.1	543.7	541.4	541.3	545.	554.5	544.5	540.9	539.2	546.4	543.	514.3	.....31 30
18	540.1	542.	541.2	541.8	558.4	553.3	544.2	542.	539.7	549.	542.9	544.4	.....37 30
24	539.5	541.5	549.8	541.8	573.3	519.8	541.2	542.5	541.6	550.3	542.2	543.7	.....43 30
30	539.6	541.8	541.1	541.5	582.1	546.8	542.8	542.2	545.	550.5	541.6	545.5	.....49 30
36	539.6	541.8	541.3	541.2	569.	541.9	542.3	537.7	546.4	548.5	542.2	548.	.....55 30
42	540.2	541.6	541.5	541.3	559.8	546.5	541.3	534.8	547.9	547.4	544.9	550.2	..... 1 30
48	540.7	541 6	541.5	540.8	551.5	543.4	542.2	534.7	549.	.....	545.	551.6	..... 7 30
54	541.2	542	541.5	540.1	555.1	542.9	542.2	536.	548.8	544.9	544.9	551.9	.....13 30

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
0	551.2	537.2	519.6	553.8	552.9	550.6	544.4	538.4	531.5	529.2	533.5	536.8	.....19 30
6	549.	537.7	550.3	553.8	552.4	546.9	543.8	538.1	531.3	528.4	533.7	536.8	.....25 30
12	547.3	537.2	550.8	553.9	553.4	549.8	543.5	536.	531.5	527.9	534.1	537.1	.....31 30
18	547.7	539.2	549.	554.9	554.4	551.4	542.5	535.8	531.5	527.6	534.9	537.3	.....37 30
24	547.1	540.5	550.5	551.9	555.2	551.5	540.7	535.7	531.4	525.9	536.5	538.3	.....43 30
30	545.8	542.7	552.3	555.4	553.7	549.8	540.5	534.1	531.1	524.2	535.9	538.2	.....49 30
36	542.8	544.5	550.3	555.4	551.4	547.8	540.	533.9	531.6	524.9	535.9	539.2	.....55 30
42	541.5	546.3	553.5	554.2	551.1	547.1	539.7	533.8	532.5	527.6	536.7	539.7	..... 1 30
48	539.3	548.1	554.7	552.3	550.7	546.3	340.4	532.8	532.1	530.9	536.4	539.4	..... 7 30
54	537 7	549 7	551.6	553.4	549.9	545.1	538.9	531.1	.....	532.9	537.1	539.6	.....13 30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
2	1026.5	1007.2	1001.8	1005.2	1007.2	1005.1	1011.1	1003.3	992.2	996.7	1003.6	997.3	21 30
8	1027.7	1006.9	1002.5	1007.2	1007.	1005.8	1007.8	1004.2	995.2	1000.5	1006.4	998.	27 30
14	1024.2	1006.3	1002.8	1004.2	1019.1	1005.9	1008.9	999.4	993.7	1005.1	1005.2	999.2	33 30
20	1023.4	1005.5	1002.5	1001.3	1028.5	1008.6	1010.8	990.7	994.1	1007.2	1002.2	993.1	39 30
26	1019.1	1003.9	1002.8	1000.1	1030.4	1011.7	1013.7	979.5	993.6	1011.2	1000.	993.	45 30
32	1016.4	1004.	1002.7	1000.7	1030.9	1012.4	1012.1	975.2	988.4	1010.7	1000.2	991.2	51 30
38	1015.8	1003.7	1001.3	1003.3	1012.2	1011.7	1010.1	980.4	990.7	1008.2	1000.	994.2	57 30
44	1015.4	1002.9	1002.1	1004.7	1006.6	1012.2	1005.8	984.4	989.6	1007.8	996.1	996.7	3 30
50	1012.7	1001.5	1001.5	1005.3	1005.3	1009.2	1007.3	987.6	992.9	1006.2	995.9	999.6	9 30
56	1010.	1001.1	1002.3	1006.	1001.	1007.1	1001.9	989.4	995.1	1006.2	997.2	1001.4	15 30
Thermometer	79.7	79.8	79.5	79.	78.5	78.	77.3	76.7	76.1	75.6	75.1	74.8	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
2	1003.3	1001.2	991.6	987.1	1001.1	1014.7	1022.1	1020.8	1018.3	1008.8	1016.5	1004.5	21 30
8	1004.4	995.4	991.2	985.3	1006.1	1014.4	1021.7	1023.3	1013.1	1015.3	1019.7	1004.4	27 30
14	1003.1	993.4	989.3	989.1	1007.1	1011.8	1022.3	1022.2	1011.5	1012.3	1016.	1002.6	33 30
20	1000.	991.1	989.2	990.1	1013.8	1012.5	1023.3	1019.1	1011.8	1015.1	1010.3	1002.3	39 30
26	999.	989.2	986.9	991.4	1011.7	1013.9	1024.7	1023.8	1007.6	1015.	1004.3	1005.5	45 30
32	1003.6	989.	982.6	994.	1011.1	1017.5	1025.9	1020.7	1006.8	1024.9	1005.3	1009.3	51 30
38	1008.	988.2	985.8	995.4	1009.2	1018.3	1021.6	1018.8	1008.	1028.9	1001.7	1006.3	57 30
44	1010.7	990.1	985.1	996.1	1007.7	1018.3	1025.9	1017.4	998.5	1028.7	1004.	1011.5	3 30
50	1008.6	990.1	987.1	999.1	1010.1	1019.8	1027.	1025.2	992.	1018.9	1002.8	1011.7	9 30
56	1006.4	991.7	987.5	1000.5	1012.	1020.9	1024.4	1022.	.....	1021.3	1003.5	1008.3	15 30
Thermometer	74.3	73.8	73.3	73.	73.3	74.	74.7	75.7	76.6	77.7	79.	80.2	Thermometer.

Göttingen time.	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
4	865.2	867.7	870.2	869.7	866.8	867.4	856.8	853.8	851.4	845.	834.2	826.5	23 30
10	866.	868.1	870.5	870.2	867.3	864.6	856.4	851.9	851.1	844.9	833.2	827.8	29 30
16	866.2	868.3	870.5	869.9	868.1	864.2	857.7	852.	850.9	844.6	832.7	827.	35 30
22	866.1	868.5	870.5	869.6	868.6	863.2	857.2	852.2	850.5	843.1	832.	826.5	41 30
28	866.4	868.9	870.5	869.3	868.6	861.9	856.	853.2	850.1	842.	831.6	826.2	47 30
34	866.5	869.4	870.2	868.8	867.7	861.1	855.	853.7	850.2	840.	830.9	827.	53 30
40	866.5	869.7	870.6	868.6	868.2	860.6	854.7	853.2	.....	835.2	830.6	826.8	58 30
46	866.8	869.8	870.5	868.2	868.4	859.9	854.2	852.8	849.	837.	830.	826.8	5 30
52	867.2	870.3	870.4	867.7	868.	859.2	853.9	852.1	848.2	836.	829.8	826.2	11 30
58	867.1	870.4	870.3	867.6	868.1	859.	853.2	852.	847.5	835.	828.5	825.2	17 30
Thermometer	80.6	80.7	80.5	79.9	79.4	78.9	78.5	77.7	77.3	76.9	76.3	75.9	Thermometer.

Göttingen time.	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
4	823.9	814.8	810.4	803.7	801.	801.2	803.3	807.7	816.1	825.	837.5	847.3	23 30
10	822.3	814.1	809.3	804.1	800.7	801.8	803.5	808.2	816.9	827.2	838.6	847.6	29 30
16	821.8	814.1	808.4	804.	801.1	802.4	803.8	809.2	817.6	828.2	840.	848.5	35 30
22	821.1	814.	807.4	803.8	802.	802.3	804.1	810.1	818.6	829.4	840.8	849.9	41 30
28	820.5	813.7	807.	803.3	801.7	802.4	804.5	810.6	819.5	830.3	840.9	850.3	47 30
34	819.2	813.1	806.	802.9	800.8	802.3	805.1	811.7	820.9	*832.1	842.3	851.7	53 30
40	818.2	813.	806.2	802.5	801.1	802.4	805.4	812.5	821.7	833.3	842.9	852.8	59 30
46	817.4	812.5	805.8	802.2	801.2	802.4	806.4	813.2	822.3	835.2	844.6	854.3	5 30
52	816.2	812.	805.3	802.	801.1	802.6	806.8	814.1	822.4	835.9	845.2	855.2	11 30
58	815.4	811.2	804.3	801.3	801.1	802.9	807.3	815.1	822.8	836.5	846.3	856.7	17 30
Thermometer	75.4	75.1	74.4	74.3	74.7	75.2	76.1	77.1	78.1	79.2	80.2	81.3	Thermometer.

* One minute late.

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.
m.													m. s.
0	540.4	541.	541.5	540.8	542.8	551.3	557.5	545.	542.2	540.	540.2	540.	.....19 30
6	540.4	541.9	542.	541.5	543.1	554.8	560.7	544.5	541.3	540.1	539.8	540.	.....25 30
12	540.	541.1	542.	540.9	543.5	558.5	562.	544.6	540.9	541.2	539.9	540.	.....31 30
18	540.3	540.7	540.6	541.	543.7	561.8	561.9	542.9	540.8	540.8	539.9	539.8	.....37 30
24	539.6	541.5	540.2	541.7	547.4	562.6	561.3	541.5	540.1	541.8	539.9	539.9	.....43 30
30	539.8	541.4	539.7	542.4	553.7	563.2	558.9	541.	540.2	540.6	540.	540.	.....49 30
36	539.7	541.3	539.9	540.9	555.4	561.8	556.7	542.2	540.	540.1	539.9	539.9	.....55 30
42	540.5	541.2	540.1	544.1	551.8	559.3	554.6	542.6	540.1	539.9	539.9	540.6	..... 1 30
48	541.3	540.3	540.8	.....	552.3	556.9	556.5	542.8	540.2	539.9	540.2	540.8	..... 7 30
54	540.1	541.5	540.1	542.9	550.8	555.	557.9	543.3	539.7	539.9	541.2	540.2	.....13 30

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
0	540.1	542.	544.2	546.8	547.8	545.8	548.4	540.9	541.4	540.8	540.	539.6	.....19 30
6	540.9	543.	543.6	546.9	546.8	543.6	543.2	539.8	541.4	540.4	539.9	540.	.....25 30
12	541.2	543.1	545.7	546.7	546.4	543.9	542.8	538.6	541.5	541.	539.9	540.4	.....31 30
18	541.	542.6	544.8	547.2	547.	544.5	542.9	538.1	541.5	540.8	540.2	540.3	.....37 30
24	541.7	543.3	544.9	546.6	547.1	544.4	543.3	538.7	541.6	.....	540.4	540.8	.....43 30
30	541.5	544.	545.2	547.4	546.5	543.8	543.3	539.8	541.3	540.9	540.6	540.5	.....49 30
36	541.7	544.6	545.7	548.1	545.	543.9	543.5	539.7	541.2	540.7	540.5	540.9	.....55 30
42	541.6	544.	546.	548.5	545.2	.....	543.6	540.9	541.1	540.2	540.4	540.5	..... 1 30
48	542.5	545.1	547.1	548.2	544.8	541.9	542.9	541.1	540.8	539.6	540.4	540.6	..... 7 30
54	543.8	544.2	547.1	547.8	546.2	542.5	540.9	541.2	540.6	539.9	539.9	540.7	.....13 30

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.
m.													m. s.
4	749.9	744.8	739.2	735.2	727.2	721.	720.9	724.5	735.5	745.7	761.8	760.5	.....23 30
10	749.3	743.7	738.9	732.3	726.3	720.8	721.4	724.9	737.1	750.5	762.	761.8	.....29 30
16	748.5	743.5	737.8	731.5	725.4	721.	722.3	725.7	737.1	751.	762.	760.1	.....35 30
22	747.7	742.9	737.3	731.9	725.	720.9	722.3	726.6	738.7	753.8	763.	760.	.....41 30
28	747.2	742.5	737.	731.1	724.9	721.3	722.4	726.1	739.5	755.1	762.7	760.	.....47 30
34	746.6	741.7	736.7	730.4	724.2	721.6	722.	728.3	741.3	756.8	762 2	759.9	.....53 30
40	746.2	741.2	736.3	730.3	723.3	721.7	723.5	730.6	742.8	758.1	762.8	759.9	.....59 30
46	746.	740.6	736.1	729.5	723.	721.4	723.9	731.6	744 6	758.6	762.9	759.9	..... 5 30
52	745.2	740.5	735.9	728.6	722.2	721.5	724.3	732.9	744.7	760.2	762.9	759.7	.....11 30
58	744.8	739.7	735.4	727.9	721.4	720.8	724.5	733.	746.4	761.3	762.5	759.6	.....17 30
Thermometer...	69.6	69.	68.6	68.2	67.5	67.2	67.8	69.	69.7	71.2	71.	70.2	.... Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
4	758.2	756.	748.1	742.7	733.3	725.1	720.1	717.3	717.3	723.8	732.6	742.7	.....23 30
10	758.	756.	747.5	742.	732.6	724.5	719.9	716.9	717.2	725.1	733.9	744.2	.....29 30
16	758.	754.6	746.7	740.5	731.9	724.3	719.8	716.3	717.5	726.1	735.	745.2	.....35 30
22	758.	753.6	745.9	740.	731.4	723.3	719.8	716.3	717.8	.....	736.4	746.1	.....41 30
28	757.7	752.7	745.4	739.	730.4	722.2	719.3	716.4	718.8	727.8	737.3	747.2	.....47 30
34	757.6	751.6	744.9	738.	730.	722.	719.1	716.7	719.7	728.1	737.9	748.3	.....53 30
40	757.3	751.1	743.9	737.2	728.4	721.5	719.	716.8	720.5	728.8	738.5	750.	.....59 30
46	757.3	750.1	743.8	736.2	727.6	721.1	718.6	716.9	721.2	729.9	739.9	750.7	..... 5 30
52	757.2	750.2	743.6	735.3	727.	720.7	718.1	717.	722.3	730.6	740.8	751.7	.....11 30
58	756.2	748.5	742.7	734.6	726.3	720.5	717.8	717.2	723.	731.6	741.6	752.6	.....17 30
Thermometer...	70.	69.3	68.6	67.8	67.4	67.2	67.4	67.8	68.7	69.4	70.4	71.4	.... Thermometer.

| | | |

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	536.7	536.9	540.5	540.	539.2	540.4	540.3	540.5	539.3	540.1	538.6	538.4	10 30
6	536.8	537.6	539.5	538.4	539.3	539.8	541.4	540.	539.4	539.8	537.1	538.1	20 30
12	536.8	537.9	539.7	539.	538.7	539.7	542.2	538.7	539.5	539.2	537.1	538.1	30 30
18	536.5	538.2	540.5	539.8	538.8	539.	542.	539.2	539.7	538.6	537.1	538.4	40 30
24	537.	537.8	539.9	539.1	538.4	539.3	541.7	539.7	539.4	538.	537.4	538.	50 30
30	536.9	538.4	540.	539.4	538.6	539.4	540.1	539.3	539.3	538.4	537.6	538.1	60 30
36	537.4	538.9	540.6	539.3	538.8	539.6	540.2	539.3	539.9	537.4	537.8	538.1	70 30
42	537.1	538.6	540.2	539.5	538.7	539.6	539.9	539.7	539.9	537.3	537.9	538.	80 30
48	537.4	539.6	540.3	539.1	539.9	540.1	540.7	541.4	539.8	536.8	538.3	538.3	90 30
54	536.7	540.	540.2	539.1	540.	541.2	540.7	539.	539.9	537.	538.3	538.5	100 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	538.9	540.5	542.3	543.7	542.5	543.3	541.8	538.3	534.4	533.9	535.7	537.6	10 30
6	538.9	540.6	542.	543.7	542.7	543.5	541.9	538.1	534.4	533.9	535.9	537.1	20 30
12	539.6	541.1	542.2	544.5	542.	543.2	541.	537.5	534.2	534.	535.7	537.4	30 30
18	539.9	541.2	542.2	543.8	541.9	543.3	540.8	537.4	534.3	534.5	536.	537.9	40 30
24	540.2	541.4	541.8	544.2	542.7	542.9	539.8	536.1	534.4	535.	536.6	537.1	50 30
30	540.8	541.5	542.2	544.7	542.1	543.	540.3	535.8	534.2	535.4	536.8	537.9	60 30
36	540.9	541.4	542.9	543.9	542.3	542.8	540.2	535.9	534.1	535.4	536.8	537.3	70 30
42	540.2	542.1	542.7	543.9	542.8	542.6	539.9	535.7	533.9	535.7	536.9	537.1	80 30
48	540.9	542.3	543.2	542.8	543.2	542.4	539.5	535.6	533.9	535.9	537.2	537.9	90 30
54	540.3	542.3	543.5	543.1	543.2	541.9	538.8	535.5	534.	536.2	537.6	537.9	100 30

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
4	813.7	844.2	837.7	825.1	819.2	823.5	825.4	817.2	806.5	795.5	784.5	783.1	.....23 30
10	844.3	843.9	836.9	824.9	819.2	824.1	825.5	816 6	805.8	794.1	784.1	783.2	.....29 30
16	845.	843.9	835.4	823.2	819.3	824.7	824.9	815.8	804.8	792.8	783.6	782.9	.....35 30
22	844.9	843.2	834.2	822.6	819.5	825 4	823.9	815.3	803.9	791.	783.1	782.8	.....41 30
28	844.9	842.6	832.7	822.	819.9	826.2	823.5	814.	802.6	787.9	782.5	782.2	.....47 30
34	844.7	842.1	831.9	820.6	820.6	826.5	822.6	812.3	802.2	788.8	782.8	782.	.....53 30
40	845.	841.1	830.6	820.6	821.	826 5	821.8	811.	801.1	787.8	782.1	781.9	.....59 30
46	844.5	840.5	829.4	821.1	821.4	826.5	820.9	809.8	800.7	786.5	783.3	781.7	..... 5 30
52	844.5	839.9	827.5	820.3	822.3	826.4	819.7	808.7	798.6	785.6	783.4	781.7	.....11 30
58	844.6	839.1	826.9	819.3	822.9	826.1	818.5	807.9	797.	785.1	783.3	781.1	.....17 30
Thermometer...	72.4	71.8	70.7	70.	70.2	71.2	69.9	69.	68.2	67.2	68.1	67.5	.....Thermometer.

Göttingen time....	h 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
4	781.	772.7	761.6	746.8	728.3	726.2	738.7	752 3	763.2	777.9	793.9	795 3	.....23 30
10	780.3	771.8	760.1	745 6	727.2	726.8	740.2	753.5	764.4	779.6	795.1	795.	.....29 30
16	779.8	770.8	758.8	743.2	726.6	727.8	741.7	754.9	765.8	782.	795.	794.5	.....35 30
22	779.3	769.7	757.2	....	725.8	729.2	742.8	756.1	766.9	784.1	795.2	794.1	.....41 30
28	778.8	768.4	756.3	738.3	724.8	730.5	744.4	757.1	768.5	786.3	795.8	793.6	.....47 30
34	777.9	767.3	754.4	736.5	724.6	731.6	745.8	757.9	770.	788.1	795.9	793.7	.....53 30
40	777.	766.3	753.	734.3	724.4	733.1	747.3	759.3	771.5	790.	796.2	793.2	.....59 30
46	776.	765.1	751.4	732.5	724.7	734.6	748.4	760.3	773.3	791.	796.4	793.5	..... 5 30
52	775.	764.	750.2	731.	725.3	735.8	749.9	761.4	774.8	792.6	796.2	793.2	.....11 30
58	773.8	762.3	748.4	729.5	725.7	737.2	751.2	762.1	776.4	793.1	795.7	793.4	.....17 30
Thermometer...	66.8	65.9	64.9	63.4	63.5	65.3	66.7	67.7	68.4	69.7	69.5	68.8	.....Thermometer.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

EXTRAORDINARY MAGNETIC OBSERVATIONS.

MAXIMA AND MINIMA,

FROM APRIL TO JUNE, 1843.

GENERAL NOTE.

The observations recorded in the following pages are the result of an attempt to ascertain the times of the maximum and minimum in the declination, horizontal and vertical forces, respectively, by observations at short intervals, at periods of the day including the above phenomena. The observations thus made are recorded under the titles of Maxima and Minima, whether they separately indicate or not the periods sought.

Göttingen time Observatory time	h. m. 6 00 0 19½	h. m. 6 06 0 25½	h. m. 6 12 0 31½	h. m. 6 18 0 37½	h. m. 6 24 0 43½	h. m. 6 30 0 49½	h. m. 6 36 0 55½	h. m. 6 42 1 01½	h. m. 6 48 1 07½	h. m. 6 54 1 13½
April 1	568.4	568.	568.5	568.3	568.6	568.9	568.5	568.6	568.9	569.3
3	573.9	573.1	571.8	*571.4	571.1	571.	569.9	569.3	570.6	570.2
4	567.	566.5	566.6	567.	566.6	566.8	566.8	567.2	567.1	567.
5	569.6	569.5	569.9	568.7	568.9	570.3	571.5	571.	572.4	572.1
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	571.1	571.5	571.	569.9	568.9	569.8	569.	568.4	566.9	565.3
8	574.9	575.5	572.2	570.5	566.7	560.8	552.	547.1	552.1	558.3
10	576 9	576.9	578.1	579.6	578.7	575.5	573.1	571.8	*569.6	567.5
11	566.1	566.6	567 4	566.8	567.3	567.5	567.6	567.4	567.4	*567.6
12	562.9	563.9	563.2	563.3	563.	563.4	562.1	559.5	559.	559.3
13	563.5	565.2	566.9	567.6	570.2	570.3	568.2	568.2	*569.2	570.3
14	573.5	573.4	575.3	576.8	579.1	577.5	*574.8	572.2	566.3	556.2
15	567.2	568.8	568.1	568.	567.7	568.4	565.5	563.4	561.7	560.3
17	569.	*569.2	569.4	569.6	569.5	569.3	569.4	569.5	569.4	569.5
18	576.2	575.8	575.6	575.1	574.9	574.2	573.6	572.1	572.5	571.7
19	570.6	569.8	569.2	567.7	567.3	567.5	570.	568.9	568.	570.2
20	568.3	568.4	570.3	574.5	573.5	571.4	571.2	571.6	570.8	571.6
21	569.6	569.9	569.8	568.8	569.8	570.4	569.8	569.3	570.4	570.9
22	570.2	569.9	*569.7	569.7	569.3	569.3	569.1	569.6	569.7	568.9
24	567.9	567.9	568.	567.9	568.	568.	568.	568.	568.4	568.4
25	567.6	567.5	567.6	566.9	567.1	567.	567.3	566.9	566.4	567.6
26	573.5	573.2	572.7	572.6	572.	570.4	570.8	569.7		
27	569.4	568.9	569.2	569.3	569.1	569.4	569.2	569.8		
28	567.9	568.1	568.8	567.6	568.6	568.2	568.5	568.9		
29	567.3	567.3	567.2	567.8	567.7	568.2	567.5	567.8		
Means	569.7	569.8	569.9	569.8	569.7	569.3	568.5	567.8		

* Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 34
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 15½
April 1	569.3	568.5	569.9	569.6	569.4	569.4	570.3	570.9	570.3	570.9
3	570.6	570.7	569.8	569.6	569.7	569.	569.3	569.2	568.8	568.3
4	567 3	567.5	567.5	567.9	567.7	567.7	567.9	567.7	568.3	567.9
5	572.9	572.	571.9	572.3	573.4	*573.	572.6	573.5	573.3	573.2
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	565.3	567.3	568.3	569.6	571.3	573.6	574.3	573.7	573.4	572.3
8	556.6	557.9	559.8	561.2	560.5	*561.	561.3	565.4	568.2	572.1
10	562.5	561.1	560.6	565.1	569.2	570.9	573.6	575.6	576.9	578.1
11	567.9	568.	568.	567.8	567.2	567.7	567.3	568.	568.5	568.7
12	558.9	559.9	560.6	561 7	562.2	564.5	566.1	565.3	565.4	565.3
13	568.4	567.7	565.4	564.4	563.9	563.6	564.9	567.2	568.1	568.
14	548.6	548.	552.4	553.5	555.7	555.8	557.9	562.	564.6	565.9
15	560.8	562.	564.8	567.3	568.4	570.2	568.6	566.7	565.7	565.6
17	569.9	569.2	570.	569.8	570.4	571.1	571.	570.2	570.9	569.
18	572.8	572.9	572.3	571.5	571.4	570.8	570.5	569.	570.6	571.7
19	571.	570.6	570.6	569.	568.	568.7	569.1	570.	569.7	570.1
20	571.8	571.4	570.7	570.4	570 9	571.2	570.5	569.9	568.8	569.9
21	570.7	570.8	570.6	570.8	570.5	572.	570.9	570.1	570.8	569.8
22	569.	568.9	569.3	569.3	570.	569.5	570.	569.6	569.5	570.1
24	568.6	568.7	569.	569.	569.1	569.	569.1	569.1	569.3	569.3
25	568.4	569.2	569.	569.	567.7	567.5	567.7	568.8	569.4	570.2
26	569.3	569.3	568.9	568.9	569.4	569.6	569.	569.	568.7	569.2
27	569.7	569.6	569.3	569.1	570.	570.7	570.7	571.3	571.2	569.7
28	568.9	569.	569.6	569.9	570.4	570.8	570.9	570.8	571.3	571.1
29	568.3	568.3	568.3	568.5	568.2	568.1	568.2	568.7	568.3	568.7
Means	567.	567.	567.4	567.6	568.1	568.6	568.8	569.2	569.6	569.8

* Supplied.

Göttingen time Observatory time	h. m. 18 00 12 19½	h. m. 18 06 12 25½	h. m. 18 12 12 31½	h. m. 18 18 12 37½	h. m. 18 24 12 43½	h. m. 18 30 12 49½	h. m. 18 36 12 55½	h. m. 18 42 13 01½	h. m. 13 48 13 07½	h. m. 18 54 13 13½
April 1	560.4	560.	559.4	558.3	558.2	557.2	556.6	556.2	556.	555.
3	554.8	554.6	553.4	553.1	552.5	551.4	551.1	550.7	550.6	550.2
4	562.8	562.7	562.3	561.7	561.	560.9	560.6	560.3	560.7	560.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	553.5	554.5	553.2	552.	552.8	553.	552.5	552 9	552.2	552.4
7	559.	559.9	559.2	558.6	559.3	559.6	559.9	559.6	560.4	559.7
8	550.2	551.8	552.4	551.6	550.5	*551.1	551.7	551.9	551.3	550.4
10	558.7	559.6	559.8	560.2	560.1	560.2	560.8	560.2	561.1	561.
11	558.5	558.3	558.	557.2	557.8	557.7	557.2	556.9	557.4	556.9
12	545.3	543.6	542.2	540.	538.2	536.5	535.6	535.3	535.8	537.5
13	549.3	549.7	550.4	550.4	550.3	550.1	550.8	550.8	550.7	551.
14	549.	547.9	547.	545.3	545.	544.1	543.6	542.3	542.2	542.6
15	549.6	550.4	549.9	549.	549.	549.5	549.8	550.8	553.8	553.
17	561.3	560.8	560.1	559.4	559.6	557.	556.9	557.1	557.1	557.7
18	560.1	559.2	559.2	558.9	558.8	557.3	558.5	556.3	557.	555.
19	562.7	562.7	563.3	563.1	563.6	563.8	563.7	565.1	564.4	564.3
20	564.6	564.2	565.	565.1	565.2	565.8	565.7	566.	566.	566.1
21	562.6	562.3	562.4	561.8	562.6	562.7	561.2	561.2	561.2	560.9
22	565.	564.9	565.1	565.2	565.6	565.4	565.3	565.3	565.6	565.5
24	559.3	558.9	559.1	559.2	559.3	559.1	559.3	559.6	559.5	559.8
25	561.7	561.8	561.8	560.5	562.1	562.4	562.3	561.9	*561.7	561.3
26	551.8	554.9	555.	554.9	554.9	555.	554.9	554.5	554.8	554.4
27	553.4	553.5	553.6	554.1	554.1	554.3	554 4	553.5	553.3	553.6
28	555.5	555.6	555.1	555.4	555.3	555.	554.8	554.5	554.3	554.
29	554.	553.9	553.7	553.5	553.3	553.	552.5	552.5	552.	551.9
Means	557.	556.9	556.7	556.2	556.2	555.9	555.8	555.6	555.7	555.6

* Supplied.

FIRST MINIMUM OF DECLINATION

1888

	h. m.	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*	*h. m.*
[illegible]	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
April 1	570.5	*571.2	572.5	*572.	571.8	570.	569.8	571.2	569.	568.6
3	574.5	572.	*570.	567.9	567.3	567.5	567.5	566.9	567.2	567.1
4	568.1	567.9	567.	567.6	570.7	571.2	571.	569.4	568.4	568.7
5	580.4	578.2	570.7	568.6	568.	568.5	568.6	571.2	570.	570.4
6	605.5	631.4	629.8	617.2	615.9	611.5	*601.	590.	590.1	*588.
7	563.2	565.7	566.5	566.6	567.4	567.6	*568.5	569.5	570.6	571.4
8	569.2	568.6	568.2	568.	569.6	*570.5	571.5	568.5	569.8	570.2
10	570.9	570.5	569.7	568.7	568.4	569.	568.6	567.6	567.9	569.
11	564.6	565.5	565.1	565.	564.3	*566.5	568.7	571.7	572.2	571.2
12	572.2	571.	569.7	570.3	571.6	566.6	571.4	574.1	573.1	571.3
13	567.	569.2	567.4	563.9	562.4	562.5	*563.2	564.	563.8	562.
14	564.2	565.	561.8	564.7	561.3	564.5	561.8	*564.4	564.	563.6
15	576.	574.5	573.3	572.4	568.3	569.5	570.8	570.3	568.4	568.3
17	564.7	566.	568.7	572.7	573.9	573.2	571.8	572.	574.2	573.
18	567.9	570.5	573.4	573 2	574.	574.9	574.9	574.9	576.2	574.
19	567.	566.6	567.1	567.2	568.3	568.3	567.5	567.6	567.	566.6
20	567.9	567.2	567.1	567.3	567.	566.6	567.8	568.	568.9	568.2
21	568.	568.	568.1	567.9	568.7	568.2	568.6	568.9	569.7	569.6
22	568.5	568.2	568.5	567.7	567.4	568.1	567.3	567.8	567.1	567.3
24	566.	566.	566.	566.	566.5	567.	567.5	567.	566.6	566.7
25	570.	571.8	571.5	570.3	568.6	565.8	568.4	568.	568.3	568.
26	569.5	569.1	568.9	569.	568.7	568.9	568.2	567.9	567.8	567.7
27	567.9	567.6	568.3	568.8	568.9	568.3	568.8	569.2	569.	569.3
28	567.2	566.8	567.2	567.1	567.1	*567.	567.	567.1	567.2	567.1
29	567.3	566.2	565.5	565.8	565.5	565.1	565.4	565.1	565.5	565.9
Means	570.3	571.4	571.8	570.3	570.2	569.8	569.9	569.8	569.6	569 3

* Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Gottingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
April 1	568.4	*569.	569.3	570.1	568.9	568.6	569.	568.8	*568.1	567.4
3	567.	567.	567.5	566.6	566.7	566.8	567.2	567.8	567.4	*567.4
4	568.2	567.8	567.1	568.8	568.4	566.9	566.8	567.5	*568.1	568.6
5	569.9	*569.4	568.9	567.9	571.8	572.4	*571 3	570.2	575.6	576.9
6	586.3	579.5	573.2	571.	571.2	*567.	563.2	563.6	569.	571.1
7	573.5	572.1	571.1	570.6	574.	577.	*582.	587.3	591.5	581.3
8	571.2	570.8	572.6	573.6	575.5	573.9	573.3	573.1	573.2	573.3
10	567.2	567.1	566.6	566.5	565.7	564.9	564.5	565.	564.2	566.8
11	568.8	566.4	564.9	563.3	562.7	561.7	561.3	561.3	561.3	564.2
12	573.5	580.7	574.7	568.1	*566.5	565.1	564.1	564.3	569.5	573.2
13	563.7	*563.	562.1	562.8	563.9	*563.7	*563.4	563.2	563.6	564.
14	564.5	564.3	564.3	564.6	565.1	563.9	564.3	561.5	565.4	565.5
15	568.7	569.	570.1	569.8	571.5	571.4	572.1	573.4	573.7	574.
17	573.2	574.	575.2	573.8	575.9	576.	576.4	575.4	574.3	572.4
18	573.5	571.7	570.3	567.7	568.4	566.7	567.	566.9	567.3	567.4
19	566.1	566.3	567.9	568.3	567.7	567.1	568.9	567.8	566.6	569.6
20	568.5	569.	569.	568.7	569.1	569.7	570.5	570.4	570.3	570.6
21	*569.7	569.8	567.8	568.6	570.5	569.9	570.3	570.3	569.4	569.7
22	*567.	567.	567.	567.1	567.5	567.1	566.8	567.6	568.1	567.2
24	566.7	566.8	566.9	567.	566.8	566.6	566.9	566.9	567.	567.1
25	567.5	567.7	568.	567.2	567.5	569.1	568.4	568.3	567.4	568.
26	568.1	*568.	*568.	*568.	567.7	567.6	567.6	567.9	567.1	567.
27	569.	568.1	567.8	568.	568.1	567.9	567.8	567.3	566.7	567.9
28	567.4	567.1	567.1	567.4	567.4	567.5	567.4	567.4	567.4	567.7
29	567.6	567.	566.5	566.6	*566.4	566.	565.3	564.5	564.3	563.9
Means	569.4	569.2	568.6	568.1	568.6	568.3	568.2	568.4	569.	569.3

* Supplied.

...time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
													m. s.
	536.7	536.9	540.5	540.	539.2	540.4	540.3	540.5	539.3	540.1	536.6	538.4	..... 19 30
	536.8	537.6	539.5	538.4	539.3	539.8	541.4	540.	539.4	539.8	537.1	538.1	..... 25 30
	536.8	537.9	539.7	539.	538.7	539.7	542.2	538.7	539.5	539.2	537.1	538.1	..... 31 30
	536.5	538.2	540.5	539.8	538.8	539.	542.	539.2	539.7	538.6	537.1	538.4	..... 37 30
	537.	537.8	539.9	539.1	538.4	539.3	541.7	539.7	539.4	538.	537.4	538.	..... 43 30
	536.9	538.4	540.	539.4	538.6	539.4	540.1	539.3	539.3	538.4	537.6	538.1	..... 49 30
	537.4	538.9	540.6	539.3	538.8	539.6	540.2	539.3	539.9	537.4	537.8	538.1	..... 55 30
	537.1	538.6	540.2	539.5	538.7	539.6	539.9	539.7	539.9	537.3	537.9	538.	..... 1 30
	537.4	539.6	540.3	539.1	539.9	540.1	540.7	541.4	539.8	536.8	538.3	538.3	..... 7 30
	536.7	540.	540.2	539.1	540.	541.2	540.7	539.	539.9	537.	538.3	538.5	..... 13 30

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
0	538.9	540.5	542.3	543.7	542.5	543.3	541.8	538.3	534.4	533.9	535.7	537.6	..... 19 30
6	538.9	540.6	542.	543.7	542.7	543.5	541.9	538.1	534.4	533.9	535.9	537.1	..... 25 30
12	539.6	541.1	542.2	544.5	542.	543.2	541.	537.5	534.2	534.	535.7	537.4	..... 31 30
18	539.9	541.2	542.2	543.8	541.9	543.3	540.8	537.4	534.3	534.5	536.	537.3	..... 37 30
24	540.2	541.4	541.8	544.2	542.7	542.9	539.8	536.1	534.4	535.	536.6	537.1	..... 43 30
30	540.8	541.5	542.2	544.7	542.1	543.	540.3	535.8	534.2	535.4	536.8	537.2	..... 49 30
36	540.9	541.4	542.9	543.9	542.3	542.8	540.2	535.9	534.1	535.4	536.8	537.3	..... 55 30
42	540.2	542.1	542.7	543.9	542.8	542.6	539.9	535.7	533.9	535.7	536.9	537.1	..... 1 30
48	540.9	542.3	543.2	542.8	543.2	542.4	539.5	535.6	533.9	535.9	537.2	537.2	..... 7 30
54	540.3	542.3	543.5	543.1	543.2	541.9	538.8	535.5	534.	536.2	537.5	537.3	..... 13 30

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
April 1	844.8	66.	844.8	841.1	844.3	844.9	844.2	65.7	845.	845.6	845.3	845.6	65.7
3	822.2	59.5	823.1	823.2	823.7	825.5	826.1	59.8	828.	829.5	828.1	827.8	59.8
4	841.7	64.5	842.6	842.9	842.7	842.8	842.1	64.3	841.2	840.7	840.6	842.6	64.3
5	815.9	62.4	813.8	815.3	816.6	818.3	817.6	62.6	819.9	819.7	819.9	822.1	62.6
6	882.6	63.6	887.	889.6	889.3	888.4	886.6	63.4	886.3	887.3	886.5	884.3	*63.6
7	866.4	65.8	866.6	867.8	870.3	871.2	872.	66.3	871.5	871.5	871.4	873.6	66.4
8	861.7	67.5	865.6	865.2	865.3	865.9	866.	67.6	863.9	865.	865.6	864.	67.8
10	854.9	60.7	853.7	851.7	851.5	852.6	852.3	60.3	852.4	852.7	852.8	852.	59.8
11	843.2	61.3	840.1	839.4	839.3	839.1	839.5	61.6	836.5	839.7	840.7	843.9	*61.6
12	855.9	65.6	855.8	855.4	854.7	854.6	855.9	65.4	854.9	854.7	854.9	854.4	*65.4
13	873.4	70.6	876.	876.	875.	874.4	877.6	70.8	877.7	878.6	879.8	879.7	*70.8
14	878.8	*67.4	879.8	880.5	880.6	880.7	881.4	67.4	881.2	881.4	881.5	880.6	67.3
15	870.3	72.6	875.1	875.2	873.	874.1	874.8	72.7	872.9	873.6	870.4	870.4	72.8
17	877.4	68.	876.9	877.3	876.9	876.3	875.8	67.7	876.1	875.9	877.	878.9	67.5
18	854.8	67.	851.9	853.2	855.2	851.8	848.7	67.	847.9	846.2	845.6	846.4	66.9
19	845.4	64.3	848.9	844.5	844.8	844.1	844.2	64.3	846.1	846.	847.7	846.7	*64.3
20	857.9	67.9	857.1	856.3	858.5	857.4	856.1	67.7	856.6	857.	859.8	859.	67.4
21	851.7	64.4	851.3	853.	852.4	854.	852.	64.4	851.5	853.5	855.1	856.6	64.6
22	854.2	67.4	855.1	856.	857.4	858.6	858.8	67.6	858.1	860.9	862.1	861.7	67.7
24	849.7	67.4	850.5	849.3	847.6	846.7	847.6	67.8	848.3	848.6	850.1	851.4	68.6
25	859.5	70.3	859.9	859.2	858.2	858.1	857.2	70.	859.4	859.2	860.4	858.4	69.9
26	863.2	64.4	864.	863.8	865.	864.9	866.2	64.3	865.9	866.3	868.5	869.9	*64.3
27	875.	71.5	875.5	874.6	871.4	876.5	876.5	70.8	877.1	877.7	879.9	880.6	*70.4
28	857.4	68.4	859.9	860.	857.8	856.5	856.8	68.3	856.5	856.9	857.1	856.6	68.3
29	858.9	63.6	857.	856.9	857.2	855.7	856.8	63.3	859.1	857.6	858.8	859.7	63.6
Means	856.8	66.1	857.3	857.6	857.3	858.5	857.7	66.	857.4	857.8	858.4	858.7	66.1
Reduced to 32° Fah.	778.4		778.9	779.3	779.	780.3	779.5		779.2	779.5	780.	780.3	

Correction for temperature, 2.3 divisions of the scale for one degree Fahrenheit.

* Supplied.

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
4	813.7	844.2	837.7	825.1	819.2	823.5	825.4	817.2	806.5	795.5	784.5	783.1	.....23 30
10	844.3	843.9	836.9	824.9	819.2	824.1	825.5	816 6	805.8	794.1	784.1	783.2	.....29 30
16	845.	843.9	835.4	823.2	819.3	824.7	824.9	815.8	804.8	792.8	783.6	782.9	.....35 30
22	844.9	843.2	834.2	822.6	819.5	825 4	823.9	815.3	803.9	791.	783.1	782.8	.....41 30
28	844.9	842.6	832.7	822.	819.9	826.2	823.5	814.	802.6	787.9	782.5	782.2	.....47 30
34	844.7	842.1	831.9	820.6	820.6	826.5	822.6	812.3	802.2	788.8	782.8	782.	.....53 30
40	845.	841.1	830.6	820.6	821.	826 5	821.8	811.	801.1	787.8	782.1	781.9	.....59 30
46	844.5	840.5	829.4	821.1	821.4	826.5	820.9	809.8	800.7	786.5	783.3	781.7	..... 5 30
52	844.5	839.9	827.5	820.3	822.3	826.4	819.7	808.7	798.6	785.6	783.4	781.7	.....11 30
58	844.6	839.1	826.9	819.3	823.9	826.1	818.5	807.9	797.	785.1	783.3	781.1	.....17 30
Thermometer...	72.4	71.8	70.7	70.	70.2	71.2	69.9	69.	68.2	67.2	68.1	67.5	.....Thermometer.

Göttingen time...	h 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
4	781.	772.7	761.6	746.8	728.3	726.2	738.7	752 3	763.2	777.9	793.9	795 3	.....23 30
10	780.3	771.8	760.1	745 6	727.2	726.8	740.2	753.5	764.4	779.6	795.1	795.	.....29 30
16	779.8	770.8	758.8	743.2	726.6	727.8	741.7	754.9	765.8	782.	795.	794.5	.....35 30
22	779.3	769.7	757.2	....	725.8	729.2	742.8	756.1	766.9	784.1	795.2	794.1	.....41 30
28	778.8	768.4	756.3	738.3	724.8	730.5	744.4	757.1	768.5	786.3	795.8	793.6	.....47 30
34	777.9	767.3	754.4	736.5	724.6	731.6	745.8	757.9	770.	788.1	795.9	793.7	.....53 30
40	777.	766.3	753.	734.3	724.4	733.1	747.3	759.3	771.5	790.	796.2	793.2	.....59 30
46	776.	765.1	751.4	732.5	724.7	734.6	748.4	760.3	773.3	791.	796.4	793.5	..... 5 30
52	775.	764.	750.2	731.	725.3	735.8	749.9	761.4	774.8	792.6	796.2	793.2	.....11 30
58	773.8	762.3	748.4	729.5	725.7	737.2	751.2	762.1	776.4	793.1	795.7	793.4	.....17 30
Thermometer...	66.8	65.9	64.9	63.4	63.5	65.3	66.7	67.7	68.4	69.7	69.5	68.8	.....Thermometer.

SECOND MAXIMUM OF HORIZONTAL FORCE—Continued.

April 1

Göttingen time. / Observatory time.	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
April 1	839.1	59.7	840.	841.	841.	840.0	838.	*59.3	836.6	832.6	829.2	836.4	58.9
3	850.4	65.5	849.8	850.3	849.	847.	847.	*60.2	847.1	847.8	847.9	849.8	66.8
4	836.5	61.5	835.5	835.5	834.7	833.6	834.5	*62.3	836.8	837.3	838.2	838.3	62.9
5	890.5	59.6	889.2	888.6	890 5	883.1	879.3	*59.5	878.2	881.1	887.2	881.8	*59.3
6	875.9	65.6	877.9	883.7	890.8	891.	887.6	*65.6	893.8	*896.2	898.6	895.7	65.6
7	872.	64.5	869.1	871.7	870.6	870.7	871.9	64.7	876.8	873.6	874.8	871.5	64.9
8	880.	70.3	881.8	881.8	875.8	875.	872.7	70.6	875.1	874.6	874.4	875.9	70.6
10	854.2	64.7	851.2	849.	854.1	854.3	856.	64.1	855.6	853.3	854.2	856.	63.5
11	851.3	63.8	855.8	855.7	856.2	855.	853.	*64.2	854.9	855.5	856.8	856.5	64.5
12	988.6	75.5	888.7	889.	886.1	882.9	878.8	75.3	884.	886.6	887.3	892.	75.
13	882.	69.5	879.7	877.8	876.9	877.8	881.	*69.3	880.5	877.2	879.3	880.4	69.2
14	866.2	70.2	869.5	870.1	872.4	871.9	873.5	70.3	879.	877.	877.7	878.4	70.5
15	899.5	73.1	886.5	892.5	893.	891.2	892.9	73.3	892.8	896.	895.	899.5	73.3
17	869.5	66.	868.6	868 1	867.3	864 3	865.	*65.6	862.2	*859.7	857.2	857.4	65.2
18	848.6	65.6	846.6	847.7	848.	849.6	847.2	66.	846.9	847.1	849.7	852.4	66.4
19	842.3	64.6	840.9	841.4	840.7	841.	839.	65.	838.7	838.	837.6	838.	65.6
20	863.3	72.1	864.3	861.	865.6	868.2	869.	*72.5	870.4	871.1	870.8	867.9	*72.9
21	877.3	74.8	875.1	874.6	871.	871.6	876.6	75.4	876.1	879.6	879.6	879.5	75.9
22	877.9	75.9	879.	877.7	877.2	877.4	881.7	76.	882.8	881.4	885.	881.2	76.1
24	879.4	73.8	879.2	879.5	879.9	879.	878 9	73.5	878.3	878.6	879.1	878.6	73.5
25	870.7	74.7	870.1	870.6	871.8	872.4	872.2	75.	870.6	872.3	868.7	871.5	75.5
26	856.2	66.	855.7	854.1	857.3	856.5	857.5	66.6	858.5	857.6	859.8	861.1	67.7
27	883.3	77.6	883.6	883.4	884 5	886.4	883.9	77.8	881.1	883.8	885.5	885 2	77.8
28	861.5	70.7	862.8	863.	861.7	861.5	861.	71.4	860.4	861.7	861.5	861.2	71.8
29	858.1	72.2	858.7	859.3	861.2	862.2	861.5	72.5	853.4	862.7	862.4	861.9	72.6
Means	867.2	68.7	866.3	866 8	867.2	866.6	866.4	68.9	866.9	867.4	867.9	868.3	69.
Reduced to 32° Fah.	782.8		782 5	782.2	782.5	781.8	781.5		782.	781.7	782.9	783.2	

* Supplied.

Göttingen time.. Observatory time.	*h. m.* 1 02 19 21½	Therm., Fah.	*h. m.* 1 08 19 27½	*h. m.* 1 14 19 33½	*h. m.* 1 20 19 39½	*h. m.* 1 26 19 45	*h. m.* 1 32 19 51½	Therm., Fah.	*h. m.* 1 38 19 57½	*h. m.* 1 44 20 03½	*h. m.* 1 50 20 09½	*h. m.* 1 56 20 15½
April 1	840.1	60.5	839.7	839.5	838.9	838.9	837.3	*61.	837.7	837.9	842.5	849.2
3	856.4	66.3	855.7	856.5	857.8	851.9	849.2	*66.2	*847.8	846.3	849.3	850.
4	829.4	62.8	830.3	*832.1	831.4	834.1	834.6	*62.5	835.2	834.6	835.	835.3
5	904.7	59.6	911.2	917.7	903.2	891.1	868.	59.8	895.7	892.1	*909.5	926.9
6	897.	66.5	896.6	895.5	896.5	893.1	898.9	*66.3	900.7	903.2	905.9	913.4
7	869.3	66.6	867.8	867.6	864.9	868.5	873.	66.3	872.9	869.5	871.	873.1
8	893.3	70.1	890.1	890.7	892.2	897.	900.2	69.7	900.2	896.5	895.8	894.9
10	850.8	62.3	851.5	849.6	849.7	848.8	849.9	62.3	850.7	850.6	852.1	851.2
11	856.8	69.7	854.6	855.5	855.7	855.7	856.4	69.4	857.2	857.9	857.2	858.2
12	910.5	73.4	908.	904.3	906.	910.7	911.2	73.	908.9	908.	905.1	900.4
13	889.	68.8	888.9	891.	890.	887.9	886.2	68.7	886.4	888.5	889.	889.
14	885.	70.1	886.5	886.7	886.7	886.6	884.1	69.9	881.9	884.1	885.4	885.2
15	896.7	71.9	897.8	898.1	897.3	896.6	899.	71.8	894.1	899.	899.4	893.6
17	860.6	61.8	859.4	865.	871.1	871.5	872.6	61.8	869.5	865.1	866.4	868.9
18	865.9	65.4	870.5	869.3	870.5	869.3	870.7	64.7	868.6	867.4	863.6	865.7
19	846.9	65.9	847.5	846.2	844.6	848.7	847.2	65.9	847.7	847.6	847.6	847.8
20	881.8	71.3	880.5	880.6	877.9	873.8	871.5	71.3	870.2	871.4	874.1	874.4
21	886.	75.8	886.	886.9	886.	885.5	884.5	*75.	884.1	884.9	885.2	885.5
22	894.1	74.8	893.3	890.5	889.	888.8	884.3	71.2	881.1	882.2	883.8	883.7
24	887.5	72.8	885.9	885.2	885.6	884.	884.2	72.7	883.7	882.6	882.2	882.4
25	879.4	75.1	877.8	880.6	882.9	883.8	883.4	74.8	883.2	882.2	882.	881.8
26	861.	72.4	863.5	862.9	860.7	862.	863.	74.7	862.9	865.	864.8	869.2
27	893.3	74.6	894.1	890.9	889.3	889.	888.7	73.7	888.6	887.1	*884.5	882.
28	865.	71.8	868.	868.2	868.6	868.6	865.	71.3	862.9	866.	865.5	865.5
29	870.4	70.8	871.	869.7	869.2	867.4	868.	70.3	868.8	871.6	870.7	872.
Means	874.8	68.8	875.	875.2	874.7	874.5	874.	68.7	873.6	873.6	873.7	876.
Reduced to 32° F.	790.2		790.4	790.2	790.2	790.1	789.6		789.1	789.4	789.1	792.

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
April 1	851.6	61.3	851.1	848.4	845.5	845.	844.2	*61.2	844.1	842.8	841.	841.	61.
3	846.4	66.2	848.3	851.7	853.	853.3	853.9	*65.9	853.4	*853.1	852.9	851.7	65.4
4	834.9	62.2	834.8	836.5	847.	835.1	835.9	*61.9	837.3	838.8	841.6	842.9	61.3
5	916.9	60.2	905.2	909.6	910.7	913.	912.2	*60.8	918.	*917.	915.9	911.1	61.3
6	915.2	65.8	890.2	876.	878.2	880.8	*884.7	*65.3	888.5	908.1	914.8	918.9	65.
7	868.5	65.8	864.2	863.4	861.1	864.9	866.1	65.5	864.2	866.5	869.7	872.5	65.3
8	891.2	69.5	891.1	891.1	890.1	887.5	873.	69.5	867.	867.8	867.5	866.5	69.7
10	849.1	62.1	850.2	850.9	853.1	851.9	849.4	62.2	849.1	849.1	850.2	850.2	62.4
11	859.3	70.2	859.	858.2	858.6	859.2	858.9	70.6	858.2	857.	855.6	856.3	70.8
12	905.4	72.6	905.6	910.6	907.	904.6	902.5	72.3	903.8	901.9	899.5	902.4	71.9
13	882.3	68.3	*880.5	878.5	876.7	877.1	874.6	68.2	870.9	872.6	871.4	870.5	68.1
14	884.8	69.8	884.1	884.5	883.4	882.6	883.4	69.6	882.5	883.1	885.	886.9	69.3
15	885.4	71.8	880.2	*877.9	875.6	881.1	*885.3	*71.9	889.6	892.7	892.3	894.9	71.9
17	867.7	62.1	870.1	866.	865.9	859.4	859.4	63.2	857.7	850.6	847.9	849.	64.4
18	871.7	64.2	871.5	872.8	875.7	876.	878.2	63.7	877.6	875.9	870.2	871.	63.6
19	846.6	66.2	846.	847.1	846.8	847.2	846.5	66.8	846.4	846.4	848.4	849.5	67.
20	869.2	71.3	872.1	872.1	872.4	875.	874.5	71.3	874.9	873.3	872.9	873.7	71.2
21	884.3	74.4	884.4	885.4	885.3	886.1	886.9	73.9	886.5	886.	884.8	885.2	73.3
22	885.3	73.8	883.3	882.6	882.	*881.2	880.4	73.3	879.9	879.	879.	878.9	73.2
24	880.2	72.6	879.2	879.6	879.7	880.	878.	72.8	878.9	879.7	879.3	878.6	73.
25	882.3	74.3	883.4	883.1	884.	*883.	882.1	74.	881.4	879.7	880.8	880.8	73.7
26	869.5	75.8	869.6	870.7	870.	870.7	872.	76.4	873.6	873.3	874.5	874.4	76.5
27	882.3	72.7	883.8	882.8	880.6	880.9	881.1	71.8	880.	879.7	876.9	875.5	70.8
28	864.6	71.	864.5	864.9	864.9	865.4	865.3	70.8	865.4	861.	865.7	865.4	*70.8
29	873.3	69.7	874.9	873.8	873.4	874.	872.8	69.	873.	873.8	875.2	873.8	68.4
Means	874.8	68.5	873.1	876.7	872.4	872.6	872.	68.5	872.1	872.4	872.5	872.9	68.4
Reduced to 32° Fah.	790.9		789.2	793.	788.5	789.2	788.1		788.3	789.5	788.8	789.2	

* Supplied.

Göttingen time.. Observatory time.	*h. m.* 15 32 9 51½	Therm., Fah.	*h. m.* 15 38 9 57½	*h. m.* 15 44 10 03½	*h. m.* 15 50 10 09½	*h. m.* 15 56 10 15½	*h. m.* 16 02 10 21½	Therm., Fah.	*h. m.* 16 08 10 27½	*h. m.* 16 14 10 33½	*h. m.* 16 20 10 39½	*h. m.* 16 26 10 45½
April 1.....	863.3	62.8	864.5	865.7	866.4	866.7	867.2	63.	870.4	870.7	871.6	872.6
3.....	859.2	61.	861.7	864.2	866.3	868.7	869.7	61.6	874.2	876.	875.2	873.2
4.....	857.4	64.7	857.3	859.4	860.6	863.2	864.5	64.3	865.7	867.5	867.5	869.3
*5.....	†871.	†61.6	872.8	874.8	877.4	877.2	873.7	61.6	.....	.....	.....	.....
6.....	890.3	63.5	888.5	885.1	883.5	883 2	890.	64.5	892.8	885.8	886.7	890.8
7.....	879.5	66.1	879.8	881.6	880.8	881.2	880.7	65.8	880.5	881.1	882.	†882.
8.....	897.4	63.9	896.5	897.2	898.4	897.9	898.9	63.1	897.3	896.9	894.6	895.5
10.....	872.1	61.8	871.9	874 4	874.3	876.4	875.	61.9	875.9	875.	874.8	874.7
11.....	860.5	64.4	860.5	861.2	862.	8 2.1	860.8	64.7	861.2	861.9	861.1	861.
12.....	887.	71 8	890.3	895.7	898.6	901.8	902.4	72.6	900.8	†901.	†901.2	901.5
13.....	912.5	69.1	912.1	913.3	913.5	912.8	916.8	68.9	920.	919.	920.2	910.2
14.....	†902.	†66.8	903.	906.1	905.2	908 8	901.2	67.4	907.	908.2	909.	907.9
15.....	908.3	72.3	906.4	905.8	909.	910.2	905.9	72.4	905.	904.5	906.3	906.3
17.....	904.5	66.4	904.9	905.6	906.7	908.7	909.4	66.5	910.2	†909.8	909.4	910.
18.....	879.3	64.6	883.8	886.3	885.6	881.5	885.	63.9	884.8	883.6	884.4	887.6
19.....	869.4	†64.3	870.9	874.2	875.2	876.2	878.2	64.1	879.6	982.2	878.6	878.3
20.....	874.4	67.	875.5	872.2	874.2	874.3	875.3	67.6	875.6	874.6	876.9	878.1
21.....	†885.	†67.6	883.9	882.4	881.2	882.9	879.6	68.2	879.1	880.1	879.5	879.1
22.....	867.8	68.9	869.3	869.3	868 6	869.8	868.8	69.2	869.1	869.7	870.2	869.5
24.....	893.8	71.4	895.	894.6	894.7	895.5	895.3	71.4	895.4	894.7	896.9	895.2
25.....	884.5	70.9	885.	885.3	885.7	885.5	885.1	71.1	883.5	883.3	883.	882.1
26.....	876.9	63.	876.3	875.	875.7	873.6	873.2	63.	872.6	872.4	871.7	871.1
27.....	900.2	72.7	899.9	899.5	898.	894.6	895.6	72.9	894.8	894.3	893.5	892.4
28.....	889.3	68.	884.5	886.1	884.8	888.1	885.5	68.1	882.8	883.3	883.3	882.7
29.....	883.	65.	883.8	882.6	881.9	884.7	883.2	65.2	883.9	884.7	885.7	886.5
Means	882.7	66.4	883.1	883.9	884.3	884.9	884.8	66.5	885.4	885 4	885.5	885.6
Reduced to 32° F.	803.6		804.	804.8	805.1	805.7	805.5		806.	805.9	805.9	805.9

* After the observation at 16*h.* 2*m.*, Göttingen time, the omitted observations have been supplied, in calculating the means, by the reading 874. † Supplied.

April.] SECOND MINIMUM OF HORIZONTAL FORCE—Continued.

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
April 1	874.7	62.8	873.2	874.5	876.	877.4	878.3	62.8	879.	880.5	880.1	881.	63.
3	872.5	62.	871.	874.2	873.2	873.4	875.2	*62.3	873.7	872.7	873.	873.7	62.6
4	868.9	63.9	869.8	872.4	*872.6	872.9	873.9	63.5	875.5	875.3	876.2	876.8	63.1
5	.....	*61.6	.....	.....	.....	.....	.....	*61.6	.....	.....	.....	.....	*61.6
6	888.1	*65.2	889.2	892.7	887.5	886.5	887.1	66.1	886.5	889.5	888.7	884.8	66.3
7	882.	65.3	881.6	880.7	884.4	884.	884.5	64.9	885.	885.4	887.7	889.4	64.6
8	893.4	62.6	894.2	896.9	894.1	895.4	895.4	62.2	892.	893.9	899.4	898.1	62.
10	875.7	62.	877.8	877.4	876.5	874.8	874.5	62.3	874.1	872.7	872.3	871.7	62.7
11	861.1	65.3	862.	860.3	861.7	861.9	862.	65.6	859.6	859.7	859.3	858.1	65.6
12	900.6	73.3	904.2	904.7	902.8	902.8	904.5	73.9	906.1	907.2	911.2	907.5	74.3
13	919.2	68.8	915.2	916.5	910.5	907.5	904.5	69.	902.9	900.8	899.4	898.1	69.3
14	911.1	67.9	909.9	914.7	918.2	920.1	916.6	68.6	917.7	921.7	926.1	928.5	68.8
15	904.4	72.8	906.4	907.	906.5	905.7	904.	73.	905.5	905.7	905.5	904.5	73.3
17	908.7	66.5	907.8	908.2	907.5	907.6	908.1	66.6	907.1	907.7	904.6	903.9	66.8
18	885.2	63.3	879.5	881.6	876.8	878.2	879.4	63.	874.8	875.3	881.2	883.5	62.8
19	878.	*63.8	876.5	875.6	877.4	873.9	874.9	*65.5	875.7	874.4	873.2	872.3	63.
20	876.1	68.	876.4	875.2	875.3	875.5	873.8	68.3	874.7	873.7	874.4	874.9	69.
21	875.9	69.6	876.5	875.7	877.1	874.6	871.8	70.2	873.6	874.3	872.7	871.5	70.8
22	869.1	70.1	868.3	867.1	865.7	866.8	865.5	70.7	864.	863.4	864.6	862.1	71.2
24	896.3	71.7	896.	896.6	896.1	895.5	896.2	72.	895.8	896.4	894.1	894.6	72.3
25	880.6	71.5	879.1	880.4	878.4	879.	877.7	71.8	877.4	876.9	876.6	875.5	*72.1
26	871.4	63.	870.1	870.	872.1	869.4	868.6	63.	866.2	865.2	864.1	863.6	63.2
27	892.2	73.2	891.4	892.1	892.9	894.6	893.3	73.6	892.5	890.1	889.4	889.5	74.1
28	881.9	68.5	883.2	881.	881.4	879.4	878.8	68.7	878.2	879.4	877.6	876.8	68.7
29	887.2	65.5	888.1	888.7	889.	889.6	889.4	66.1	889.4	889.4	890.7	887.7	66.6
Means	885.1	66.7	884.9	885.5	885.1	884.9	884.5	67.	884.1	884.2	884.7	884.1	67.1
Reduced to 32° Fah.	805.3		805.	805.4	804.9	804.6	804.		803.6	803.6	804.1	803.4	

* Supplied.

Göttingen time... Observatory time.	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
April 1.....	808.9	72.6	808.3	808.1	807.4	806.5	805.7	*71.9	805.	804.4	803.	802.2
3.....	657.7	63.3	657.8	658.4	658.4	658.7	658.3	*63.2	658.6	658.6	657.8	657.7
4.....	770.5	69.8	769.9	768.8	767.9	766.9	765.9	*69.6	764.6	764.2	763.	762.8
5.....	757.1	69.3	757.2	758.4	757.5	756.3	756.4	68.4	755.1	754.2	753.	752.9
6.....	776.8	68.6	775.6	774.7	772.3	770.	767.4	*67.6	763 8	761.7	758.9	756.5
7.....	812.7	*74.3	812.7	812.6	813.6	814.1	814,4	74.1	815.3	815.5	815.8	816.9
8.....	825.8	74.2	826.	824.9	824.8	824.4	824.1	73.8	823.6	822.6	822.3	821.8
10.....	717.3	65.5	716.	714.8	714.2	*712.	710.9	66.6	709.9	708.4	707.6	707.1
11.....	744.	68.5	744.1	745.3	745.3	745.9	746.4	69.	746.7	747.4	747.9	749.6
12.....	778.7	70.9	778.2	778.	778.6	778.7	779.3	71.6	780.1	780.5	781.4	782.1
13.....	*830.	*76.	830.9	831.4	832.3	832.3	832.6	76.	833.2	833.6	833.6	833.7
14.....	769.	70.2	768.1	767.3	766.8	766.2	765.3	70.	764.6	763.	762.4	761.9
15.....	809.8	76.1	811.1	812.	812.9	813.7	814.3	76.	815.	815.4	815.9	815.7
17.....	717.7	68.8	715.9	714.8	713.5	712.6	711.5	68.5	710.5	709.3	708.4	707.3
18.....	779.9	72.	779.4	779.6	778.9	779.	778.8	72.	778.	778.2	776.8	776.6
19.....	744.7	69.9	744.9	745.	744.7	744.9	745.5	69.9	745.3	745.	745.4	746.1
20.....	787.1	71.8	786.1	784.5	782.5	782.1	780.5	71.3	779.3	778.	776.6	775.6
21.....	710.	67.5	709.	709.1	709.	708.4	708.	*67.6	707.3	706.8	706.1	705.9
22.....	746.1	71.	746.7	746.6	746.4	746.2	745.7	70.8	745.5	745 1	745.	744.9
24.....	745.2	72.1	747.4	749.2	751.1	752.9	754.7	72.9	757.1	758.8	761.5	763.8
25.....	786.1	72.8	785.4	785.	784.1	783.5	782.7	72.7	782.1	781.4	781.2	780.6
26.....	668.8	65.3	668.1	667.3	666.7	665.9	665.	65.	664.5	663.6	663.	662.4
27.....	792.2	73.	791.1	790.6	790.	789.1	788.6	72.7	787.8	787.5	786.8	786.1
28.....	*790.	*72.2	789.3	787.9	786.7	785.5	783.9	72.1	782.5	781.6	780.8	779.1
29.....	658.	64.4	657.4	657.	656.2	655.9	655.2	64.4	654.4	653.4	652.9	652.1
Means.....	759.9	70.4	759.1	758.9	758.5	758.1	757.6	70.3	757.2	756.7	756.3	756.4
Reduced to 32° F.	241.5		241.	241.1	241.	240.9	240.6		240.4	240.2	240.1	240.4

* Supplied.

April.]

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
April 1	800.5	*71.	798.4	795.8	795.	793.2	791.	70.3	787.7	785.6	782.2	779.2	69.4
3	657.3	*63.4	657.4	657.3	657.3	657.3	657.	63.6	657.2	657.2	657.5	658.4	64.
4	762.1	*69.9	762.4	762.6	763.1	763.7	764.4	70.6	765.6	766.9	767.9	769.	71.3
5	752.	67.7	750.6	749.3	749.2	748.2	747.1	67.4	745.	743.2	741.9	741.3	67.4
6	754.3	*67.1	752.7	750.	747.5	745.8	743.5	66.8	742.3	741.5	740.2	738.6	*68.2
7	816.9	*73.8	818.6	819.2	819.6	819.9	819.4	73.7	818.8	818.4	818.3	*818.5	*73.4
8	820.9	72.6	819.6	818.4	817.5	815.7	813.1	71.5	811.	807.6	804.3	801.4	70.2
10	706.7	67.	706.3	706.2	706.8	706.4	707.	66.4	707.5	707.8	709.9	710.5	67.3
11	750.3	69.9	751.6	753.	754.4	754.8	757.8	70.6	759.8	761.2	763.1	765.1	71.3
12	784.1	72.6	785.4	786.9	788.7	791.8	793.9	74.3	795.7	798.3	801.4	803.9	75.8
13	833.8	75.5	833.8	833.6	833.9	833.4	832.8	74.6	832.5	832.	831.8	831.3	74.3
14	761.3	69.8	760.7	760.	758.6	757.7	757.	69.7	756.6	756.4	754.8	754.4	69.7
15	815.7	76.	815.6	815.9	816.2	816.1	816.	76.	816.	816.	816.	816.2	76.1
17	706.1	68.3	705.4	703.8	703.2	702.4	701.8	68.2	700.4	699.9	698.9	698.3	68.3
18	776.2	71.6	775.3	774.6	*774.5	774.5	773.9	71.2	773.1	772.4	772.4	771.6	70.8
19	745.7	70.	745.4	745.8	746.7	746.3	745.3	70.1	*744.5	746.9	746.8	746.8	*70.2
20	773.8	70.8	772.1	770.9	769.2	767.5	764.7	70.2	764.5	763.5	761.6	760.5	70.4
21	705.1	67.7	704.7	704.3	704.5	704.6	704.7	68.2	705.2	705.7	706.	707.	69.1
22	744.8	70.8	744.6	744.5	744.4	744.5	744.3	70.7	744.2	744.	744.	744.2	70.8
24	764.8	73.2	766.6	768.3	770.5	772.3	773.7	73.8	775.2	777.2	778.2	779.9	74.
25	780.2	72.5	778.9	778.1	777.4	776.8	777.2	73.8	776.1	775.7	775.5	775.3	73.
26	661.5	64.9	660.7	660.4	*659.7	658.9	658.5	64.8	657.8	657.8	657.5	657.4	64.8
27	785.9	73.	785.7	785.7	786.1	786.7	787.5	74.	788.1	788.9	790.7	791.9	74.8
28	778.1	71.9	777.5	776.5	776.	775.1	774.2	71.7	773.7	773.	772.9	772.4	71.7
29	651.7	64.4	651.	650.7	650.1	649.9	649.2	64.6	649.3	650.4	649.9	650.	65.
Means	754.8	70.2	755.2	754.9	754.8	754.5	754.2	70.3	754.7	753.9	753.7	752.7	70.5
Reduced to 32° Fah.	239.1		239.3	238.7	238.3	237.8	237.2		237.	235.5	234.6	233.	

* Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
May 1	567.4	567.7	567.	567.3	567.6	567.3	568.1	568.	568.	‡567.8
2	569.9	569.	569.1	568.7	568.2	568.2	568.1	568.2	568.6	568.9
3	568.7	569.	569.9	570.7	570.4	570.2	570.2	569.4	568.4	567.8
4	569.	569.1	567.5	569.5	569.1	568.7	‡569.	569.2	568.7	568.6
5	568.	568.2	566.3	567.2	567.8	567.9	‡567.8	567.7	567.5	568.5
6	569.7	568.5	569.6	568.8	569.	568.7	567.8	568.2	†568.5	568.4
*8	†564.	561.8	562.6	565.8	567.4	568.5	569.5	‡569.3	569.2	‡569.2
*9	564.3	563.	565.2	565.3	563.7	565.	567.6	565.8	563.3	565.
*10	570.	574.5	563.	559.7	560.9	559.2	559.4	558.	553.5	553.5
*11	569.	570.2	570.4	570.7	570.2	570.2	568 9	565.1	560.8	561.5
*12	564.	564.2	565.4	565.1	565.2	564.7	564.6	563.8	563.3	565.
13	570.9	570.	570.3	570.2	569.8	569.7	569.3	567.9	567.5	567.4
15	570.8	570.1	569.3	569.6	568.7	569.3	570.8	570.	569.7	569.9
16	563.9	567.	567.2	566.	‡561.5	557.2	559.	557.9	557.3	‡557.8
17	571.	569.6	571.	569.4	568.3	566.9	565.3	564.9	564.4	561.2
18	566.1	566.4	566.4	565.	565.2	565.	566.4	567.4	566.8	566.7
19	566.	566.2	566.1	566.9	566.7	567.2	566.3	566.3	566.2	565.8
20	564.4	‡564.5	564.7	565.5	565.4	566.8	567.1	566.9	566.9	566.7
22	565.8	566.2	566.1	565.3	565.5	565.7	566.8	566.5	566.2	566.2
23	566.7	567.8	568.2	567.9	568.2	567.9	568.8	568.4	568.7	568.5
24	566.	566.1	566.2	566.	565.8	565.6	565.9	565.0	565.8	565.5
25	563.9	564.8	563.8	564.8	564.5	564.8	565.3	564.9	565.3	564.8
26	564.7	567.	567.2	566.1	567.2	566.1	567.	565.	566.	566.2
27	564.9	564.5	564.6	564.2	564.1	566.5	564.3	566.5	566.	566.5
29	566.5	566.6	567.	567.1	567.2	567.2	567.4	567.2	567.2	567.5
30	577.3	574.8	573.5	573.3	571.7	573.5	571.4	571.5	571.5	571.
31	567.7	568.1	§568.	567.7	567.9	567.4	567.7	568.5	568.5	568.5
Means	567.4	567.3	567.4	567.1	567.	566.8	567.	566.6	566.1	566.1

* See disturbance observations. † One minute late. ‡ Supplied. § Two minutes late.

FIRST MAXIMUM OF DECLINATION—Continued.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
May 1	567.6	567.5	567.9	568.	567.8	567.6	567.9	568.	†568.	568.
2	568.9	569.6	569.	569.	569.	568.8	571.1	569.3	569.3	569.4
3	568.1	569.3	570.4	571.1	571.	570.3	570.3-	570.2	571.	570.8
4	568.4	568.5	568.3	568.2	568.7	568.6	568.4	569.	570.6	570.2
5	568.1	568.3	567.9	568.1	568.	568.4	567.7	568.3	568.3	568.4
6	568.5	568.2	569.5	568.6	567.5	568.1	‡568.	568.4	†568.2	568.
*8	569.4	568.7	567.8	568.2	566.4	564.5	†564.5	564.6	565.2	566.2
*9	565.	563.6	561.4	559.4	557.1	†552.6	548.1	552.8	557.2	560.
*10	552.9	554.3	557.2	558.7	561.8	563.2	564.7	566.3	568.4	568.5
*11	560.8	560.	559.8	559.6	560.9	563.3	564.5	565.7	568.	568.
*12	566.2	564.7	565.8	565.8	566.2	567.2	566.5	566.6	565.5	566.5
13	†568.	568.6	568.7	568.7	568.5	568.6	†568.3	568.	567.7	567.3
15	569.8	569.8	569.	569.5	569.1	568.6	569.2	569.7	570.2	568.7
16	558.4	557.9	559.4	563.7	568.1	569.6	571.	572.1	571.4	571.4
17	559.1	558.8	559.4	560.1	559.1	557.8	558.1	559.5	†561.3	563.2
18	567.9	566.5	567.1	566.7	566.	567.	567.3	567.	567.2	566.9
19	565.1	565.4	565.9	564.8	565.2	564.8	565.8	564.5	564.7	564.5
20	566.4	566.	566.2	565.9	566.8	566.8	567.	566.8	566.9	566.
22	565.5	566.	566.6	565.3	†565.2	565.	566.1	565.8	566.5	566.6
23	568.9	568.9	567.8	567.8	569.	569.3	569.3	569.7	569.7	570.4
24	566.	566.2	565.7	566.1	565.9	565.8	566.7	566.9	566.1	‡567.1
25	564.8	565.6	565.6	565.6	565.2	565.5	565.2	564.8	565.5	565.9
26	565.5	566.	565.5	567.1	567.3	566.6	566.	566.4	†566.1	565.8
27	566.2	566.4	566.5	566.9	567.	567.3	565.6	568.1	568.1	567.7
29	567.5	567.4	567.5	567.3	567.3	567.2	567.6	568.	568.1	568.1
30	569.9	569.7	567.9	566.3	566.1	566.9	567.3	566.2	564.7	561.8
31	568.4	567.8	567.8	567.3	565.7	566.7	568.	567.7	567.1	567.3
s	566.	565.9	566.	566.1	566.2	566.2	566.3	566.7	567.1	567.1

* See disturbance observations. † Supplied. ‡ One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
May 1	550.4	549.8	549.4	549.1	548.5	547.8	547.	546.5	546.4	546.2
2	†564.7	564.1	563.4	562.9	562.	561.3	561.4	559.9	559.8	559.5
3	‡552.1	552.7	552.9	552.6	552.4	552.3	552.2	552.3	552.3	552.3
4	556.	556.3	554.9	555.4	555.4	555.5	555.9	555.6	555.5	555.3
5	558.9	558.6	558.2	558.	557.8	557.	557.	556.8	557.	557.
6	560.1	559.3	559.	556.7	556.4	558.4	558.3	558.1	557.9	557.5
*8	563.	563.	562.8	563.	562.7	562.	562.	562.3	561.6	560.9
*9	556.3	556.2	§556.5	§556.5	§556.5	556.9	557.9	558.3	558.7	557.8
*10	562.1	560.7	561.2	561.4	562.4	564.	563.2	562.8	562.4	562.3
*11	557.2	§557.5	§557.5	§557.5	§557.5	557.9	557.7	556.9	556.7	556.1
*12	556.9	556.2	556.1	555.8	554.6	§554.7	§554.7	555.	554.6	555.
13	555.9	555.6	555.6	555.4	554.8	554.4	554.7	554.5	554.8	554.
15	557.2	557.3	558.	557.	556.9	555.6	554.4	554.6	554.6	554.
16	556.1	556.3	556.2	555.7	555.5	555.4	555.5	555.7	555.4	555.
17	558.3	558.5	558.7	558.3	558.2	558.2	557.7	558.4	557.8	558.1
18	558.	557.8	557.5	557.9	558.3	559.1	558.8	559.1	558.8	559.5
19	559.	558.8	559.	558.4	558.3	557.6	558.	557.2	557.3	557.7
20	†562.	561.4	561.5	561.	561.	560.5	560.9	560.3	560.	560.
22	552.9	552.6	554.5	554.6	554.6	554.8	555.1	§555.	555.2	555.
23	551.9	551.9	552.1	552.4	552.4	552.8	553.2	553.4	553.2	553.1
24	548.9	548.4	548.3	548.1	548.	548.	548.5	547.9	547.4	547.2
25	548.9	548.5	548.3	548.1	548.1	548.2	548.5	549.1	548.7	§548.5
26	555.3	555.	555.4	555.9	556.	555.7	555.1	555.7	555.5	554.9
27	554.7	554.6	554.3	554.	553.2	552.7	552.8	553.	553.1	553.4
29	552.9	555.3	556.1	557.5	556.8	556.8	555.7	555.7	554.9	553.6
30	558.7	558.4	558.1	558.	557.7	557.2	557.3	557.6	557.2	557.2
31	552.8	552.4	552.1	551.9	551.6	551.4	550.9	551.1	551.	551.3
Means	556.3	555.9	556.2	556.1	555.8	555.8	555.8	555.7	555.5	555.6

* See disturbance observations. † Two minutes late. ‡ Three minutes late. § Supplied.

FIRST MINIMUM OF DECLINATION.

May 1

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54
Observatory time	20 19½	20 25½	20 31	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
May 1	566.7	566.	566.2	566.	566.8	568.2	570.9	573.1	574.7	574.4
2	567.9	567.4	567.3	568.	568.6	568.4	568.8	568 5	566.7	567.5
3	568.5	568.3	568.2	568.6	565.5	568.	567.8	‡568.	568.	567.7
4	567.9	566.9	566.5	566.	566.	566.	567.1	568.	567.7	567.9
5	566.6	566.9	567.	567.2	566.5	567.	567.4	568.7	569.	567.2
*6	550.9	552.6	552.9	554.1	553.5	552.6	554.	550.1	557.5	558.7
*8	570.	569.3	569.2	568.6	569.7	568.7	567.8	568.2	567.5	566.7
*9	566.	565.	564.7	571.6	575.5	576.	572.9	569.5	568.9	566.5
*10	567.	568.5	569.6	567.7	565.	565.6	562.8	562.8	563.6	569.
*11	567.1	567.	567.4	566.	566.6	566.5	566.8	567.	568.5	566.5
12	574.3	573.7	579.8	580.2	579.	574.3	573.5	569.	568.1	570.2
13	563.7	562.9	563.4	563.2	563.2	563.5	563.9	563.4	564.	563.6
15	566.	567.	565.6	565.	565.6	‡566.	566.7	565.9	566.	565.5
16	568.6	572.5	576.2	582.2	581.6	577.8	573.	570.	567.4	565.2
17	†569.7	568.5	568.3	568.7	568.	568.6	568.6	567.7	566.7	567.5
18	564.7	564.4	565.6	564.1	564.4	564.1	564.2	564.	564.2	564.2
19	566.	565.7	565.7	566.4	566.4	566.8	568.	568.1	567.4	567.
20	565.8	565.6	565.8	565.9	566.2	566.7	565.8	566.6	566.	566.4
22	567.1	566.9	565.9	565.9	566.1	566.5	566.1	565.6	565.6	566.4
23	563.	563.	563.7	563.8	563.	563 5	562.4	562.4	562.4	564.9
24	564.6	564.9	564.9	564.9	564.5	564.4	564.4	564.5	565.1	‡565.
25	565.4	565.3	565.	565.1	565.1	565.1	565.2	565.4	565.3	565.4
26	565.4	567.	567.9	566.1	566.7	566.	566 2	566.	565.6	565.7
27	576.	573.1	571.6	570.	567.	565.4	564.3	564.	‡564.	564.1
29	568.4	568 4	567.	567.2	567.1	567.6	567.3	567.8	567.2	568.1
30	567.1	566.4	566.3	567.2	566.4	566.5	566.8	566.9	566.7	566.8
31	566.5	565.9	565.8	566.4	566.1	565.8	565.9	565.9	565.9	565.9
Means	566.7	567.2	566.9	566.8	567.	566.9	567.	566.6	566.3	566.4

* See disturbance observations. † Nine minutes late. ‡ Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
May 1	575.4	574.9	575.1	575.4	575.2	573.	574.7	573.3	573.7	573.6
2	567.7	568.1	567.7	567.4	567.4	567.2	567.8	569.	567.8	568.3
3	566.2	567.6	567.5	567.2	567.8	567.8	567.3	567.4	568.2	568.
4	568.4	568.1	566.2	567.5	567.5	567.9	§567.4	567.	567.3	567.5
5	†567.	568.7	568.1	†567.9	566.7	.....	.....	.....	.....	568.2
*6	561.	562.5	562.7	563.2	566.5	565.9	569.2	573.9	583.	582.
*8	567.5	567.2	566.9	566.3	565.2	564.5	567.5	566.	565.5	566.2
*9	564 7	563.4	562.5	563.8	564.	563.1	564.	563.8	563.8	565.5
*10	576.	574.1	570.1	567.	563.	561.6	563.	562.4	563.2	563.
*11	565.9	566.2	565.2	564.8	565.	565.	566.7	567.6	567.6	567.1
12	571.6	569.5	567.5	568.5	567.3	567.9	570.	572.5	§570.	567.1
13	563.7	563.6	563.7	563.6	561.5	566.1	566.4	567.5	567.	566.4
15	566.2	576.2	578.7	586.7	585.	587.2	589.9	590.5	594.	596.
16	567.4	569.	572 2	†577.5	574.5	573.	571.	570.2	569.	567.
17	568.7	568.5	†568.2	568.2	568.3	568.6	568.5	569.1	568.4	568.2
18	§564.	564.1	564.	564.4	564.	564.6	564.3	564.4	564.6	564.4
19	566.9	568.4	571.6	574.	569.	567.8	567.1	567.8	570.1	570.
20	566.1	566.	565.7	565.5	565.7	565.5	566.	565 5	565.2	566.3
22	567.5	567.	566.9	567.	567.1	§567.5	568.4	568.2	567.	566.8
23	567.7	570.9	571.	570.	569.1	568.1	566.7	566.5	566.8	567.1
24	565.1	565.2	564.9	564.3	564.3	564.3	563.8	564.3	563.2	563.5
25	565.	564.8	564.6	564.6	564.5	564.5	563.9	564.4	§564.	564.
26	563.5	566.2	565.9	566.4	565.2	563.2	562.2	563.6	563.2	562.2
27	564.	563.8	563.2	562.7	562.6	562.7	563.3	562.7	562.6	562.9
29	567.6	567.8	567.7	567.8	567.7	567.9	568.4	568.3	568.7	568.5
30	566.7	566.6	567.1	566.5	566.7	567.4	566 8	566.6	§567.5	567.8
31	565.5	565.	565.2	565.4	566.5	565.9	566.4	566.7	566.7	566.8
Means	566.7	567.5	567.4	567.9	567.4	567.2	567.7	567.7	568.4	568.3

* See disturbance observations. † One minute late. ‡ One minute soon. § Supplied.

SECOND MINIMUM OF DECLINATION.

May 1

Göttingen time Observatory time	h. m. 13 00 7 19½	h. m. 13 06 7 25½	h. m. 13 12 7 31½	h. m. 13 18 7 37½	h. m. 13 24 7 43½	h. m. 13 30 7 49½	h. m. 13 36 7 55½	h. m. 13 42 8 01½	h. m. 13 48 8 07½	h. m. 13 54 8 13½
May 1	576.9	577.1	578.1	578.2	578.3	578.5	578.3	578.8	579.	578.4
2	579.3	579.6	579.8	580.1	580.2	580.6	580.7	580.9	581.5	581.3
3	576.6	578.2	576.5	576.5	576.8	577.8	577.1	576.8	575.5	575.3
4	578.1	578.9	578.8	578.2	578.4	578.7	579.	579.3	578.7	579.4
5	575.1	574.7	573.3	576.2	575.1	575.9	575.5	575.3	575.6	575.8
6	578.3	579.6	579.9	580.8	580.8	580.8	581.3	581.7	582.1	581.8
*8	575.3	575.6	575.1	574.9	575.3	576.1	†575.	574.	574.1	574.1
*9	571.2	572.	571.1	571.1	570.8	570.6	†571.	571.5	571.5	571.4
*10	575.1	574.4	573.5	573.	575.3	572.8	571.	569.6	573.	575.5
*11	571.4	572.4	572.8	571.6	570.4	571.6	571.8	570.4	569.5	571.2
*12	569.7	569.5	569.5	569.7	570.9	570.5	571.6	570.6	571.7	571.1
13	574.6	574.4	574.7	573.5	573.4	573.2	573.2	572.5	572.3	572.3
15	578.1	578.1	578.1	578.6	579.5	580.2	579.8	†579.5	579.2	579.4
16	574.4	574.5	574.6	576.3	574.	575.6	574.6	575.5	576.5	576.
17	573.1	569.7	571.9	572.6	572.8	572.3	573.	573.6	573.9	573.5
18	574.	575.6	574.7	575.6	575.5	574.3	574.8	574.6	574.	573.5
19	573.	573.	573.	572.9	572.8	572.8	573.1	573.5	573.5	573.9
20	576.5	†577.	577.6	577.9	577.2	576.9	576.9	578.8	579.4	579.2
22	†577.3	577.	576.7	576.4	576.	576.	576.	575.9	575.9	575.2
23	573.	572.2	572.2	571.4	571.4	570.7	570.7	569.9	569.2	569.
24	577.	576.4	576.	575.9	576.	576.	575.	575.	574.	574.
25	576.6	577.4	578.3	578.1	578.	577.9	577.5	577.9	577.1	576.8
26	584.9	584.	583.	583.4	584.5	584.1	582.5	584.3	584.4	584.5
27	576.4	576.5	576.5	577.9	576.7	578.	576.	575.7	575.8	575.6
29	579.4	580.4	580.8	581.1	581.4	581.1	580.9	579.4	582.3	581.9
30	579.5	578.3	578.5	579.7	579.5	578.7	578.6	578.2	578.	578.2
31	†578.8	578.5	578.3	579.8	579.4	579.3	578.6	578.2	576.8	576.8
Means	576.1	576.1	576.	576.3	576.3	576.3	576.1	576.	576.1	576.1

* See disturbance observations.

† Supplied.

SECOND MAXIMUM OF HORIZONTAL FORCE.

1847	Göttingen time..	h. m. 21 02	Therm., Fah.	h. m. 21 08	h. m. 21 14	h. m. 21 20	h. m. 21 26	h. m. 21 32	Therm., Fah.	h. m. 21 38	h. m. 21 44	h. m. 21 50	h. m. 21 56
	Observatory time.	15 21½		15 27½	15 33½	15 39½	15 45½	15 51½		15 57½	16 03½	16 09½	16 15½
May	1	823.1	61.4	821.7	826.	827 6	828.7	826.6	61.7	826.2	824.4	825.9	823.9
	2	813.7	71.5	814.9	844.	843.2	814.	843.3	72.3	844.5	843.6	†844.	844.6
	3	833.7	71.8	832.1	834.7	835.9	836.1	837.3	72.1	836.9	837.9	†838.5	839.
	4	861.9	71.8	860.6	860.9	861.2	863.1	863.1	72.3	864.	†865.5	866.8	867.7
	5	854.8	71.	855.4	855.5	857.5	856.7	854.9	†71.7	855.1	855.7	854.5	856.4
	*6	866.5	69.3	865.6	743.	782.7	822.5	825.7	†69.2	839.5	860.4	843.1	817.7
	*8	899.2	70.8	900.4	900.5	895.8	893.8	899.3	71.3	899.4	899.7	901.3	898.1
	*9	884.4	67.1	881.	876.	878.	881.4	885.1	66.1	867.9	870.8	871.9	870.5
	*10	908.5	†69.	904.5	908.8	903.7	902.6	901.6	†68.6	905.8	907.9	902.8	889.6
	*11	871.2	†64.9	872.9	871.9	869.8	869.1	869.5	†64.9	869.7	869.8	871.7	872.3
	*12	897.4	†80.	897.1	895.6	895.6	892.5	892.5	80.5	893.6	900.2	903.7	906.1
	13	881.8	74.2	881.	881.2	881.7	882.8	885.8	74.4	884.8	886.	886.5	886.7
	15	917.	77.	912.	933.5	943.3	937.7	938.	77.5	928.1	921.	†922.	923.
	16	905.7	†77.5	902.3	†899.	895.8	910.5	910.8	†77.5	900.2	‡902.1	†903.	903.7
	17	872.6	67.5	875.7	880.6	879.3	879.5	880.4	67.4	879.	876.6	873.3	871.2
	18	831.5	61.2	831.	832.3	833.4	833.7	835.9	61.6	836.2	837.	837.9	837.7
	19	883.4	73.2	878.2	878.5	876.5	874.6	875.4	73.7	†879.	882.5	878.8	878.1
	20	886.5	73.8	889.5	889.	887.4	886.3	887.1	74.3	883.4	884.2	884.6	885.4
	22	848.2	†70.8	849.1	851.8	†848.3	845.1	851.7	70.9	853.7	854.5	856.1	858.6
	23	861.2	71.6	862 5	863 9	864.6	864.1	864.9	72.	864.4	866.4	868.9	871.2
	24	†863.	†68.7	862.1	860.3	862.	861.9	864.1	69.	865.1	863.7	869.6	866.2
	25	866.6	67.	865.1	863.9	865.6	865.9	865.5	67.8	865.3	864.8	863.5	864.2
	26	861.4	73.	864.	865.2	860.6	865.1	867.9	73.	871.8	870.	865.3	889.2
	27	864.1	67.6	863.8	863.6	865.4	867.3	865.4	67.8	870.2	874.2	874.5	872.7
	29	851.8	70.2	856.9	856.	853.5	850.2	846.7	71.	846.9	848.	854.4	859.
	30	874.7	72.5	874.4	874.4	877.4	876.	872.6	72.8	873.1	876.1	874.	875.3
	31	839.1	61.9	839.1	839.4	840.1	841.1	840.1	61.9	841.2	844.	844.4	843.7
Means		868.6	70.2	868.6	865.2	866.1	868.2	868.6	70.5	868.3	870.2	869.7	869.3
Reduced to 32° F.		780.7		780.5	777.	777.3	779.8	780.1		779.6	781.3	780.6	780.

* See disturbance observations. † Supplied. ‡ One minute late.

Göttingen time Observatory time	*h. m.* 22 02 16 21½	Therm., Fah.	*h. m.* 22 08 16 27½	*h. m.* 22 14 16 33½	*h. m.* 22 20 16 39½	*h. m.* 22 26 16 45½	*h. m.* 22 32 16 51½	Therm., Fah.	*h. m.* 22 38 16 57½	*h. m.* 22 44 17 03½	*h. m.* 22 50 17 09½	*h. m.* 22 56 17 15½	Therm., Fah.
May 1	826.4	61.5	827.	827.2	827.	822.7	826.	62.4	†822.7	....	829.	832.8	†62.4
2	844.7	73.2	844.6	844.7	844.8	843.8	843.8	73.8	843.4	843.8	845.4	846.5	74.1
3	839.7	72.2	840.2	841.7	841.2	845.	844.5	72.3	844.8	845.7	847.5	848 2	†72.3
4	868.3	72.7	866.	868.	870.3	870.9	870.2	73.2	870.2	873.4	871.7	870.2	†73.6
5	858.9	72.2	857.9	859.2	859.6	859.2	859.	73.	859.3	858.5	859.5	860.8	†73.4
*6	790.1	69.2	799.7	819.	794.7	783.5	774.4	69.	760.	753.5	771.5	779.1	†69.
*8	898.5	71.4	904.	903.7	902.	901.2	900.	†71.9	905.3	905.2	905.3	903.2	71.9
*9	874.2	66.2	880.	882.5	883.2	882.4	883.7	†66.	882 5	880.7	881.	883.5	66.
*10	892.9	68.2	892 4	891.7	892.2	889.2	888.6	67.8	886.8	887.2	889.8	886.	67.3
*11	873.3	65.	873.	872.7	874.	875.	873.	65.1	873.	873.2	873.5	875.	65.3
*12	909.2	81.	908.9	911.4	912.6	905.6	907.8	†81.8	†908.5	909.1	908.	908.7	82.5
13	888.3	75.	888.8	†890.5	893.4	893.2	894.1	75.	894.1	894.9	893.	894.	†75.2
15	925.9	77.9	913.5	919.5	913.	904.7	909.7	†78.2	908.2	915.	911.4	914.2	†78.3
16	896.2	77.5	895.1	902.8	908.4	904.5	906.2	†77.5	904.1	901.5	902.8	902.3	†77.5
17	869.1	67.	868.	869.8	871.7	870.6	870.7	67.1	868.5	868.	862.3	865.5	†67.
18	839.	61.8	840.3	839.1	839.5	839.	839.2	62.	839.2	839.1	840.3	840.7	62.3
19	879.	74.7	881.4	883.9	884.3	884.1	885.5	75.5	882.7	885.9	885.6	883.5	75.7
20	886.7	75.7	886.6	884.2	886.8	887.6	887.2	77.	886.3	886.8	890.	888.7	77.7
22	859.	71.	865.8	859.9	864.5	866.9	864.1	71.	865.9	862,8	865.2	864.5	71.
23	870.6	72.3	870.2	862.7	868.6	872.	866.2	72.6	862.	867.5	869.7	874.4	72.9
24	865.	69.3	870.5	868.	866.9	866.7	867.2	69.6	867.1	868.5	868.7	869.5	69.9
25	867.3	68.6	866.8	868.5	869.2	867.5	866.4	69.2	870.9	870.7	870.7	873.1	69.7
26	888.5	72.9	875.7	878.5	878.7	898.2	911.	72.6	921.2	919.9	921.9	918.	72.3
27	873.3	68.	875.2	871.9	868.7	865.4	859.5	68.2	863.4	867.4	875.1	881.9	†68.2
29	862.2	72.2	864.8	861.3	861.2	856.	850.5	72.9	849.6	853.3	858.2	858.2	†73.5
30	874.3	73.4	872.8	872.9	872.2	872.6	872.2	74.3	873.	875.2	874.5	876.1	74.7
31	814.1	62.	843 5	846.	847.9	845.8	847.8	62.2	846.3	846.3	846.7	847.6	62.4
Means	869.1	70.9	869.3	871.6	870.2	869.4	869.2	71.1	868.8	869.6	871.1	872.1	71.3
Reduced to 32° Fah.	779.7		779.8	782.	780.5	779.6	779.3		778.8	779.5	780.9	781.7	

* See disturbance observations.

† Supplied.

Göttingen time Observatory time	*h. m.* 2 02 20 21½	Therm., Fah.	*h. m.* 2 08 20 27½	*h. m.* 2 14 20 33½	*h. m.* 2 20 20 39½	*h. m.* 2 26 20 45½	*h. m.* 2 32 20 51½	Therm., Fah.	*h. m.* 2 38 20 57½	*h. m.* 2 44 21 03½	*h. m.* 2 50 21 09½	*h. m.* 2 56 21 15½	Therm., Fah.
May 1	833.3	61.2	836.	836.5	835.5	835.9	832.4	61.8	831.7	830.8	830.1	829.4	62 7
2	843.9	74.	844.6	844.9	844.9	843.9	844.5	74.2	842.9	842.4	841.5	846.6	‡74.2
3	848.5	70.3	849.1	847.2	848.7	846.5	846.4	70.	847.5	846.2	846.5	844.5	‡70.
4	880.7	72.8	878.8	878.	876.6	877.2	878.2	72.	877.2	878.6	879.	878.8	‡71.8
5	868.	70.7	865.5	864.6	865.6	865.5	866.	‡70.2	867.2	866.1	865.5	865.	‡69.8
*6	962.2	67.6	†958.5	956.9	952.7	953.9	955.8	67.3	§956.5	†960.8	961.	†960.	‡67.
*8	929.7	70.4	930.9	932.8	934.	931.4	930.	70.	929.	929.2	930.2	928.4	69.7
*9	879.7	65.4	879.7	881.8	885.	879.1	879.9	‡65.4	884.	883.7	883.3	882.2	‡65.2
*10	892.8	67.8	891.	883.	880.7	880.2	877.4	‡67.8	875.4	874.	875.	868.5	‡67.6
*11	886.2	66.3	881.6	880.5	881.2	882.5	882.5	‡66.6	880.8	880.5	876.5	875.7	‡66.8
*12	920.5	75.	903.9	901.6	895.	897.	895.7	73.8	894.	894.8	898.1	899.3	73.8
13	904.3	74.6	903.6	903.5	902.9	902.7	902.	74.5	900.9	901.5	901.2	902.1	‡74.5
15	918.2	79.3	903.7	908.6	913.	917.2	918.4	79.	919.7	924.7	919.9	921.	‡79.2
16	915.7	78.	919.	923.4	916.6	911.6	912.7	‡77.7	913.7	913.8	913.5	913.2	‡77.4
17	879.5	66.	880.6	882.8	882.5	886.7	887.3	65.7	888.5	887.	886.5	882.5	65.4
18	855.4	62.4	855.1	855.5	854.1	854.	855.6	62.3	854.5	853.9	853.6	855.9	62.2
19	887.9	75.9	889.	889.5	890.8	891.	892.5	74.5	892.4	892.2	891.	891.7	73.9
20	895.5	75.2	895.6	891.9	896.5	896.2	898.9	74.6	897.1	897.3	895.6	895.	74.
22	874.4	70.5	875.3	875.7	875.1	874.1	873.4	70.3	871.7	873.8	873.1	873.1	70.
23	889.9	72.2	888.1	887.8	887.5	887.1	887.2	72.	883.2	882.7	884.5	888.9	71.8
24	871.9	69.5	871.2	870.9	870.8	871.1	871.2	69.2	871.8	872.8	873.8	873.4	69.
25	877.3	70.	876.7	876.2	876.8	876.	870.6	69.9	876.6	876.8	875.9	876.6	69.7
26	903.3	70.2	898.6	‡896.3	894.	892.2	894.4	69.9	892.7	897.	895.5	898.1	69.4
27	871.4	66.1	871.	871.3	871.3	877.2	879.2	66.1	881.9	880.3	879.4	876.8	66.1
29	883.5	72.2	880.	880.4	880.9	880.3	878.6	72.	876.8	877.8	879.5	880.1	71.9
30	882.5	74.	883.8	883.	881.9	883.6	884.6	73.6	885.6	884.3	885.7	884.4	73.4
31	848.3	61.9	848.5	847.3	848.1	848.1	848.9	61.5	848.8	848.8	849.4	850.	61.2
Means	885.3	70.4	883.6	883.4	883.1	883.	883.3	70.1	883.	883.4	883.1	883.	69.9
Reduced to 32° Fah.	797.		795.5	795.5	795.3	795.3	795.7		795.5	796.	795.8	795.8	

* See disturbance observations. † Two minutes soon.

SECOND MINIMUM OF HORIZONTAL FORCE.

Greenwich time.. Observatory time	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
July 1	863 3	59.1	864.9	863.7	863.2	863.8	864.	59.2	863.2	863.8	863.9	862.2
2	847.6	63.7	846.9	848 6	849.3	849.4	850.7	64.2	852 3	852.4	851.5	851.2
3	856 1	66.2	854.7	855.4	855.8	855.	854.6	66.7	854 3	854.3	853.3	851.9
4	869.8	64.7	869.3	869.3	866.7	866.8	868.	65.5	867.5	866.5	866.5	866.6
5	†877.5	†65.2	876.7	875.5	875 7	876.1	875.9	65.2	876.4	876.	875.3	874.7
6	859.9	65.1	857.8	856.6	856 7	855.7	855.3	65 2	853.4	851.5	852.4	849.8
*8	912 6	71.7	912.1	912.1	912.	912.5	912.6	70.7	912.8	914.9	915.3	915.1
*9	909.2	63.2	908.1	910 4	910.5	911.9	910.	63.5	905 8	908.7	902.9	900.3
*10	925.1	72.9	926.1	928.1	929.4	941.9	933.	72.9	921.2	912.7	907.	907.8
*11	890.1	64.4	889.3	888 1	889.9	888.	887.9	64.4	887.8	887.9	887.3	884.8
*12	889.	71.7	892.6	893.4	895.	896.2	894.9	72.3	894.5	893.6	895.3	894.8
*13	903.8	69.2	903.8	904.1	901.7	901.6	901.8	69.6	900.	900.2	897.9	897.2
15	861.4	71.3	867.3	863.7	†867.5	871.	872.2	71.9	869.6	870.4	869.7	865.8
16	929.7	72.9	927.7	927.	926.7	919.	909.2	72.8	907.	903.	900.4	901.7
17	908.3	69.3	908 7	907.	904.5	903.5	899.1	69.6	895.6	891.	887.2	884.9
18	859.7	57.8	854.	854.5	857.5	858.9	858.9	57.9	857.	857.2	854.6	855.1
19	875.8	66 4	872.	870.6	869.7	869.4	864.2	66.9	866.2	865.1	861.	858.8
20	897.4	71.7	896.9	897.	896.2	896 5	897.6	71.9	895.4	896.7	895.6	897.5
22	874.2	65.4	872.6	870.5	868.9	868.4	867.2	65.9	866.8	864.4	867.	866.7
23	859.4	66.8	856.8	853.6	853.3	853.7	853.8	67.	852.5	851 8	850.3	848.7
24	899.5	64.9	903.7	904.7	904.8	903.4	903.5	65.1	902.1	†902.	901.9	901.5
25	886.8	62.4	887.4	888.4	888 6	888.9	888.5	62.6	889.7	889.5	891.5	886.8
26	907.7	71.3	909.	909.5	911.1	910.5	911.6	71.4	913.3	914.	919.	918.8
27	895.3	63.8	896.8	895.4	891 5	892.7	889.9	63.9	†889.7	889.5	890.	889 4
29	864.7	57.8	865.4	867.	862.9	854.1	851.4	57.8	844.9	848 4	849.9	858 2
30	895.	68.9	896.9	896.3	896.1	895.1	894.	69.3	894.6	896.5	895.4	893.5
31	888.7	62.5	886.7	885.4	887.2	837.5	885.5	62.4	884.	883.5	881 8	881.2
means	889.1	66.3	885.5	885.	884.9	884.9	883.7	66.5	882.1	881.8	880.9	880.2
Reduced to 32° F.	810.2		806.6	806.	805.8	805.7	804 4		802.6	802.	800.9	799.9

* See disturbance observations.

† Supplied.

Göttingen time Observatory time	*h. m.* 16 32 10 51½	Therm., Fah.	*h. m.* 16 38 10 57½	*h. m.* 16 44 11 03½	*h. m.* 16 50 11 09½	*h. m.* 16 56 11 15½	*h. m.* 17 02 11 21½	Therm., Fah.	*h. m.* 17 08 11 27½	*h. m.* 17 14 11 33½	*h. m.* 17 20 11 39½	*h. m.* 17 26 11 45½	Therm., Fah.
May 1	862.	59.5	861.	859.8	860.2	859.5	861.1	59.8	860.7	861.2	861.2	860.3	59.9
2	852.3	65.4	850.9	850 2	852.4	852.5	851.1	66.9	851 2	851.5	850.4	848.9	†67.7
3	851.9	67.7	852.1	850.9	853.9	851.5	849.7	68.1	848 3	847.8	846.9	847.7	†68.5
4	868.4	67.3	864.2	864.6	863.7	863.3	863.1	68.4	862.2	865.9	866.7	866.5	†69.2
5	873 9	65.3	873.7	873.8	873.6	873.4	872.1	65.5	872.1	869.7	870.3	870.	†65.9
6	849.8	65.7	849.6	847.4	818.7	845 6	844 2	66.	843.4	852.1	852.9	852.9	66.5
*8	915	70.8	914.2	915.8	913.3	912.9	912.5	70.7	911.5	910.5	909.3	908.5	70.7
*9	895 9	63.8	895.	893 5	891.7	887.7	888.4	64.1	885.6	883 6	878.3	878.3	64.2
*10	907.9	72.7	911.7	909.3	907.2	903 9	902.5	†72.4	902.	898.3	892.	893.	†72.
*11	887.7	64.6	887.5	886.2	885.1	883.	887.1	†64.6	885.4	886.7	884.3	883.5	†64.6
*12	895.2	†72.6	894.5	892.6	890.2	889.8	888.6	†73.5	888.	888.2	886.1	885.	74.
*13	896.2	70.	898.7	900.4	898.7	899.9	900	70.5	901.8	900.3	898 8	898.1	70.9
15	869.7	72.2	868.1	870.4	874.	875.6	868.4	72 6	878.1	862.2	858.3	876.3	73.
16	898.5	73.	893.2	888.2	884.2	884.5	‡886.5	73.	885.2	884.5	883.	890 7	†73.
17	881.1	†69.6	879 8	877.4	877.3	876.8	882.	69.5	881.1	879.5	874.1	874.6	69.1
18	853.2	57.9	†854.	855.1	855.8	857.7	856.4	58.2	857.5	856.4	856.	855.4	58.4
19	858.4	68.3	858.4	858.8	860.9	862.9	864.5	69.3	864.5	864.	864.4	864.	70.4
20	897.2	72.8	896.1	†893.	890.	892.1	894.7	74.	894.	892.6	891.8	891.1	74 6
22	865.	66 5	865.6	868.1	865.6	869.6	864.	67.3	860.	861.3	863.	860.2	67.6
23	846.7	67.5	843.6	841.7	840.6	839.4	837.5	68.1	838.7	839.	837.9	837.3	68.3
24	901.8	65.3	900.8	901.	899.1	898.	897.5	65.6	895.8	895.9	891.9	890.5	65.7
25	888.8	63.1	890.4	890.2	888.6	888.9	888.1	63.7	886.8	883.9	892.3	880.1	†64.
26	916.8	71 5	915.7	915.	915.7	915.6	913.4	71.8	911.7	909.5	907.4	905.6	72.1
27	887.8	64.2	886.	883.	880.6	877.1	877.4	64.3	875.2	873.8	873.2	872.9	64.5
29	862.5	58.3	856.	856.8	862.6	867.4	861.8	58.9	856.1	856.	857.2	849.	59 5
30	895.7	70.	895.	893 9	893.8	896.4	892.1	70.3	893.7	893.6	891.3	891.3	70.7
31	881.	62.3	879.9	879.3	878.9	878.1	877.9	62.3	877.9	876.8	875.8	873.5	62.3

Ginger time. / servatory time.	A. m. 22 04 / 16 23½	Therm., Fah.	A. m. 22 10 / 16 29½	A. m. 22 16 / 16 35½	A. m. 22 22 / 16 41½	A. m. 22 28 / 16 47½	A. m. 22 34 / 16 53½	Therm., Fah.	A. m. 22 40 / 16 59½	A. m. 22 46 / 17 05½	A. m. 22 52 / 17 11½	A. m. 22 58 / 17 17½
y 1	627.	63.	627.	627.1	627.2	626.7	627.	63.7	627.2	627.4	627.6	628.2
2	813.2	77.4	814.3	815.6	817.	818.	819.6	77.6	820.7	822.	823.1	824.
3	827.3	77.2	828.	829.	830.1	830.5	830.7	77.	831.1	831.2	831.5	831.1
4	797.8	75.4	798.	798.	798.1	798.4	798.9	75.8	799.3	796.4	800.	800.9
5	786.6	75.7	788.8	790.3	792 1	794.	795.5	75.8	797 2	798.7	800.2	801.1
*6	725.6	71.2	721.	717.2	715.	714.2	710.2	70.9	705.9	698.1	690.	682.7
*8	749.7	73.3	751.	751.	751.7	752.	752.	†73.1	752.7	753.	753.7	754.
*9	674.8	67.	675.8	676.3	676.8	677.	676.8	†67.1	677.	677.7	678.	678.
*10	767.	71.2	765.8	765.7	763.5	762.7	761.7	†70.9	760.4	759.9	759.2	757.7
*11	693.1	67.3	693.	693.5	693.	693.	692.9	†67.3	692.5	692.1	692.2	692.
*12	873.4	84.	874 8	875.5	876.5	877.	878.	†84.4	†879.	†880.	881.	882.
13	783.6	76.4	783.9	785.5	784.5	785.	784.7	76.4	786.	786.1	787.1	787.9
15	807.1	78.8	808.2	809.	810.3	811.	811.5	79.	813.	814.2	815.	816.
16	806.5	78.5	807.9	808.	809.	810.	811.	78.8	811.5	812.	815.5	814.2
17	711.7	68.3	711.1	710.2	719 2	718.3	717.8	68.5	716.5	715.5	714.8	714.
18	623.4	62.	623.9	624.7	625.1	626.	626 4	63.1	627.	627.2	628.	628.8
19	841.	79.	842.4	842 2	842.5	842.9	843.4	79.6	844.	844.4	845.	845.1
20	847.2	80.4	848.	848.	848.	848.	848.8	†81.3	850.	851.	851.	852.5
22	732.6	71.1	733.	733.1	733.6	733.9	734.	70.4	734.5	735.4	735.9	737.1
23	741.4	72.3	†742.	742 7	743.7	744.7	745.	73.2	746.1	747.	748.	749.
24	729.8	72.	730.7	732.	733.1	733.4	731.9	71.6	736.2	737.	737.2	738.
25	698.6	69.9	699.1	700.6	701.3	702.	703.	70.3	704.	704.6	705.5	706.2
26	781.	73.8	778.6	777.9	777.8	778.	778.2	73.9	778.1	778 6	779.4	779.7
27	688 1	69.	688.9	689.	689.2	688.4	689.3	69.2	689.4	690.2	691.	691.8
29	804.6	78.5	807.4	810.	812.9	815 9	818.	79.3	820.4	822.	823.9	825.2
30	780.6	75.9	781.1	781.5	782.	783.	783.8	76.5	785.	785.3	786.	786.8
31	639.	63.7	638.9	638.6	638.	637.9	637.8	64.1	637.6	637.7	637.8	637.9
ans	754.1	73.1	754.1	754.5	756.3	755.7	756.	73.3	756.4	756.5	756.9	757.1
duced to 32° F.	199.3		198.7	198.5	199.8	198.7	198.5		198.3	197.8	197.7	197.4

* See disturbance observations. † Supplied. ‡ Two minutes late.

Göttingen time Observatory time	*h. m.* 23 04 17 23½	Therm., Fah.	*h. m.* 23 10 17 29½	*h. m.* 23 16 17 35½	*h. m.* 23 22 17 41½	*h. m.* 23 28 17 47½	*h. m.* 23 34 17 53½	Therm., Fah.	*h. m.* 23 40 17 59½	*h. m.* 23 46 18 05½	*h. m.* 23 52 18 11½	*h. m.* 23 58 18 17½	Therm , Fah.
May 1	626.1	63.7	629.5	629.9	630.5	631.3	‡632.8	†63.6	633.4	634.3	635.	635.7	63.5
2	825.6	78.	828.4	829.4	830.2	831.1	831.6	78.	832.8	834.	834.5	835.3	78.
3	830.8	76.8	830.6	830.5	830.	829.	828 5	76.3	828.5	828.1	§828.1	828 8	†75.9
4	801.	†75.9	802.	803.	803.5	804.2	805.2	76.1	806.	806.6	806.5	807.	†76.2
5	802.3	75.8	803.1	804.8	804 4	806.	807.	75.8	808.	808.7	808.9	809.7	†75.8
*6	674.7	70.5	661.2	673.7	668.2	616.3	607.5	70.3	573.	588.	567.	†572.5	†70.2
*8	754.	73.	754.6	755.	755.	755.	755.	72.9	754.5	755.	754.7	754.7	72.4
*9	678.2	†67.2	679.	679.	678.9	678.7	678.8	67.	678.8	678.7	678.9	678.8	†67.
*10	750.5	†70.5	755.	754.	752.7	751.7	751.4	70.7	751.4	751.6	751.	750 5	70.7
*11	692.5	†67.4	692.4	692.1	692.2	692	692.	67.5	692.1	692.	692.1	692.	67.5
*12	892.	†84.9	883.	884.	885.1	885.3	885.2	81.4	886.5	887.2	888.2	886.2	†83.6
13	788.	76.5	789.1	790.	791.	791.4	792.4	†76.5	793.	794.	795.	795.7	†76.6
15	817.	79.5	818.	819.	820.	821.	822.	†79.7	823.5	824.7	825.7	826.	†79.9
16	815.5	79.1	816.2	817.3	818.5	820.	820.	79.	821.	821.	822.	823.	79.
17	713.	68.5	712.6	712.5	712.3	712.	712.1	68.4	712.6	711.5	711.3	711.3	†68.3
18	629.4	63.4	630.	631.	631.9	632.3	634.	63.7	633.4	634.4	625.2	626.	†63.9
19	846.	79.6	846.6	817.1	817.6	818.	848.4	79.6	848.6	849.	848.6	849.2	†79.6
20	853.3	82.8	854.1	855.	855.8	856.2	857.4	82.9	858.	858.7	859.1	858.8	82.
22	737.5	71.5	737.7	738.3	738.8	739.	739.5	71.5	739.2	739.4	739.8	740.	71.5
23	750.	73.3	751.9	752.	753 3	753.9	754 3	73.2	754.9	755.2	756.	756.7	73.3
24	737.9	71.6	737.7	737 9	738.1	738.5	739.9	71.5	740.4	740 7	740.	740.4	71.5
25	707.	70.7	707.9	708.7	709.5	710.4	711.7	71.3	713.	714.5	715.7	716.9	71.3
26	778.9	73.8	777.9	777.6	775.3	773.7	771.9	73.4	770.7	769.9	769.	767.9	72.7
27	686.7	†69.1	.....	.....	.....	.....	.....	†69.1	.....	.....	.....	.....	†69.1
29	826.3	†79.1	827.4	828.	828.9	829.1	830.1	†78.7	831.1	832.5	832 9	833.1	78.3
30	787.4	77.1	788 6	789 7	790.5	791.8	792.3	76.8	793.	793.9	794.7	795.1	76.7
31	638.	64.3	637.9	638.	638.2	638.6	638.6	64.3	638.7	639.	639.4	639.1	64.1
Means	756.9	73.5	757.	758	758.	757.5	756.5	73.4	755.6	756.6	755 9	756.2	73.3
Reduced to 32° Fah	196.7		197.	198.3	198.5	198.3	197.6		197.	198.4	198.	198.7	

* See disturbance observations. † Supplied. ‡ One minute late. § Two minutes late.

gen time vatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
May 1	593.2	59.6	592.8	592.8	592.8	592.8	592.9	59.7	593.2	592.7	592.6	592.7	59.7
2	725.8	‡67.6	724.1	721.9	720.7	719.1	717.5	67.2	716.6	715.5	713.7	713.7	‡66.8
3	730.2	68.	728.3	726.9	726.	725.3	724.4	68.1	723.7	723.2	722.4	722.5	‡68.1
4	‡681.9	66.	681.4	681.	681.	681.2	681.2	66.3	681.	681.4	682.	682.3	‡66.5
5	716.6	67.5	715.9	715.1	714.5	713.8	713.3	67.5	713.2	713.	712.7	712.7	67.7
6	708.	67.9	708.4	709.	709.6	709.9	710.8	68.	711.	711.9	712.5	713.5	‡68.
*8	749.8	71.7	748.9	748.8	748.2	747.3	747.3	71.8	746.9	746.3	746.5	746.6	71.8
*9	647.4	‡64.4	647.2	646.7	646.7	646.	645.7	64.5	645.	644.9	645.7	645.8	65.
*10	845.5	‡77.6	844.5	844.2	844.4	844.1	842.7	77.7	842.2	842.5	841.	840.6	77.3
*11	717.4	‡67.7	716.5	715.8	715.4	714.2	712.8	67.5	712.	712.	711.	710.5	67.5
*12	765.4	‡72.8	765.9	766.4	767.2	768.	768.	73.5	770.2	771.	771.9	772.9	74.2
13	735.5	70.1	734.4	733.6	733.1	732.4	731.7	70.1	731.	‡730.2	729.6	729.	‡70.1
15	743.3	71.3	‡743.6	744.	743.7	744.	743.9	71.5	744.8	745.1	745.2	746.	‡71.7
16	789.1	74.7	789.2	789.9	788.7	788.9	788.5	74.6	789.1	789.1	789.2	788.9	‡74.6
17	748.1	71.	747.6	746.7	747.2	745.9	746.	71.	745.1	745.1	745.	745.	71.3
18	†599.9	59.8	599.1	598.1	598.	597.1	596.5	58.8	596.7	596.	596.	595.9	59.7
19	693.1	67.2	694.8	696.3	697.8	699.5	700.4	68.	702.9	704.7	706.4	708.3	68.9
20	783.9	73.8	783.7	784.5	784.7	785.1	786.	74.4	786.4	787.6	788.5	789.	74.9
22	661.	65.	661.	661.	661.	661.	661.5	65.4	662.	662.2	663.2	663.6	65.7
23	689.	67.	689.	688.6	688.	688.	687.8	66.8	687.3	687.	687.	687.	67.
24	680.	66.2	680.	679.1	678.7	679.	677.9	66.2	677.6	677.7	675.9	676.6	‡66.1
25	629.	63.	629.9	629.4	630.	632.5	630.	63.2	630.1	630.	630.2	630.4	63.5
26	752.7	72.5	753.	753.	753.	753.6	†754.1	73.3	755.	755.8	756.7	757.7	74.7
27	661.2	65.5	660.5	660.5	660.	659.2	659.2	65.3	658.	657.6	657.	656.4	65.3
29	587.9	59.7	586.7	586.3	585.4	584.	584.9	59.5	585.	584.	583.	582.8	59.3
30	748.2	70.8	747.3	746.7	744.9	745.	744.7	71.3	744.3	744.2	744.1	744.1	‡71.5
31	670.	65.4	669.7	668.7	667.7	667.	666.2	65.2	665.4	665.	664.2	663.2	‡65.2
Means	704.9	67.9	703.8	705.	704.4	704.6	704.3	68.	704.3	701.3	704.2	704.3	68.2
Reduced to 32° Fah	220.3		218.9	219.8	218.9	218.8	218.3		217.6	216.9	216.1	215.6	

* See disturbance observations.

† One minute late.

‡ Supplied.

Göttingen time Observatory time	h. m. 6 00 0 19½	h. m. 6 06 0 25½	h. m. 6 12 0 31½	h. m. 6 18 0 37½	h. m. 6 24 0 43½	h. m. 6 30 0 49½	h. m. 6 36 0 55½	h. m. 6 42 1 01½	h. m. 6 48 1 07½	h. m. 6 54 1 13½
June 1	568.8	†568.5	568.4	568.6	568.5	568.9	570.7	571.4	571.1	571.2
2	569 1	569 8	569.7	570.	569.3	570.4	570.1	569.4	569.3	569.8
*3	570.5	570.	569.7	569.6	569.5	568.	566.2	566.7	566.7	566.7
*5	565.	565.	565.	565.7	565.6	564 4	562.3	559.5	560.2	561.1
6	562.8	562.9	562.5	562.6	563.	562.4	562.1	562.	562.6	562.6
7	563.3	564.5	564.5	564.9	565.6	565 6	564.8	566.1	566.8	566 9
8	562.9	561.7	560.5	558.7	557.5	557.5	557.9	559.5	560.7	563.7
9	565.	565.7	565.9	564.4	563.6	563.	§565.	565.	‖565.1	565.
10	566.8	566.5	566.7	567.9	568.9	567.7	570.3	571.2	570.	571.4
12	567.2	566.4	567 1	568.	569.6	570.	569.7	567.3	565.7	563.5
13	559.1	560.1	562.	563.5	564.3	564.3	566.5	566.7	566.2	565.4
14	564.5	565.5	‡566.	‡566.5	‡566.	‡564.6	‡561.1§	‡559.2	‡558.1§	‡559.6
15	569.2	566.8	565.7	565.4	566.2	567.4	568.4	568.9	569.8	569.6
16	563.1	562.9	562.6	562.9	562.4	562 7	§561.8	561.9	§562.2	562.
17	563.9	564.1	564.1	564.2	564.1	564.2	564 1	564.2	564.1	564.
19	564.5	565.	564.7	564.3	564.9	564.6	564.3	564.9	564.6	565.
20	564.9	565.7	566.2	565.8	566.2	566.2	566.2	566.2	566.1	566.3
21	565.1	564.7	564.9	564.9	565.9	565.	565.3	564.8	564.9	564.8
22	567.2	566.5	566.3	566.4	566.3	565.5	566.3	565 9	565.8	566.2
23	570.1	†569.8	569.5	569.1	568.1	567.3	566.6	566.8	§566.3	566.4
24	565.6	565.9	565.4	§565.7	564.1	565.3	565.3	565.4	565.6	565.6
26	571.3	570.8	569.3	569.6	569 7	568.2	568.7	568.9	568.5	567.6
27	564.2	564.4	564.2	565.1	564 1	564.5	565.7	562.5	561.7	
28	569.1	569.2	568.2	567.8	567.9	567.8	567.7	567.5	567.9	
29	565.7	565.7	565.4	566.3	566.	566.5	566.2	566.3	566.1	
*30	567.1	567.4	567.7	566.4	567.2	568.1	567.8	567.3	565.8	
Means	566.	566.	565.9	566.3	566.3	565 8	565.8	566.	565.5	565.9

* See disturbance observations. † Supplied. ‡ Thirty seconds late. te late. ‖ Two minutes late.

Göttingen time Observatory time	h. m. 7 00 1 19½	h. m. 7 06 1 25½	h. m. 7 12 1 31½	h. m. 7 18 1 37½	h. m. 7 24 1 43½	h. m. 7 30 1 49½	h. m. 7 36 1 55½	h. m. 7 42 2 01½	h. m. 7 48 2 07½	h. m. 7 54 2 15½
June 1	570.1	570.	569.9	570.5	569.7	569.2	568.8	568.7	568.8	568.6
2	570.6	571.7	569 4	570.6	570.2	570.	570.4	572.5	569.7	570.4
*3	567.	567.1	566.7	567.4	567.3	567.	567.6	567.9	567.1	568.3
*5	562.	564.2	563.6	561.9	560.	560.	559.	559.7	560.	560.
6	563.1	563.5	562.8	562 9	563.1	562 7	562.5	563.	‡563 9	564.1
7	566.5	566.2	565.9	565.1	565.	565.4	565.6	565.4	565.8	565.9
8	565.6	564.8	566.8	569.4	571.3	570.	569.3	569 5	568.3	569.2
9	564.	562.9	562.6	562.9	564.7	566.4	567.2	567.1	566.9	567.4
10	570.8	571.8	572.2	574.9	573.4	574.9	573.6	577.	576.9	574.9
12	562.2	560.7	560.6	561.9	561 9	563.	562.	562.5	562.4	563.2
13	565.5	566.1	566.7	565.3	565.8	568.3	566.7	566 6	567.2	567.3
14	†561.4	†562.	†563.3	†563.3§	†563.5	†563.6	†563.6	†563.	†562.9	†563.3
15	569.7	570.	570.	569.	‡569.1	567.8	570.5	570.	567.9	567.6
16	‡561.2	559.7	558.7	559.4	559 9	561.1	561.3	563.6	562.9	563.
17	564.4	§564.2	563.8	564.6	564.7	564.1	563.7	564.1	564.8	564.3
19	564.8	565.	565.2	564 6	565 2	565.5	565.3	‡565.1	556.5	565.1
20	565.5	565.9	566.5	565.5	565.9	§565.7	565.7	565.8	‡566.2	‡565.4
21	564.7	564.2	565.	564.9	565.8	565.3	563.9	565.	563.8	563.
22	566.6	566.5	566.1	566.3	565.7	565.2	565.4	565.9	565.1	565.8
23	565.7	565.6	565.2	565.2	565.8	565 1	565.3	564.5	‖565.	565.5
24	565.1	566	565.3	565.6	565.9	565.5	‡566.	566.1	566 4	§566.2
26	567.5	565.5	565.9	566.1	‡567.	568.4	567.7	565.1	564.9	564.5
27	561.9	566.5	565.9	564.7	566.5	565.9	566.3	566.5	566.9	567.4
28	567.4	567.3	567.4	567.6	567.1	567.1	567.3	567.3	567.5	567.2
29	562.4	562.9	564.4	568.3	569.4	572.1	571.3	571.	570.3	571.8
*30	567.3	566.8	566.6	565.3	566.6	566 9	565.6	565.8	565.2	565.
Means	565.7	565.7	565.6	565.9	566.2	566.4	566.2	566.5	566.2	566.3

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 46	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
June 1	559.	558.5	558.2	558.2	558.2	§558.3	558.5	558.6	558.8	558.2
2	555.9	555.8	555.7	555.8	555.5	555.2	555.7	556.	555.4	555.9
*3	557.4	557.5	558.5	‡558.9	558.3	559.1	559.1	558.	557.8	556.6
5	555.4	555.	555.7	555.3	554.6	555.	554.8	554.5	554.4	554.1
6	552.6	552.4	552.3	552.1	552.2	552.3	552.2	552.1	552.4	552.3
7	558.	558.	558.1	557.9	557.1	557.	556.7	556.7	556.3	554.8
8	555.2	555.	555.1	555.3	554.8	555.2	555.4	555.4	556.	†555.6
9	558.7	558.2	557.8	557.8	558.	557.9	558.	558.3	†558.3	558.9
10	559.	559.2	559.7	559.8	559.8	559.3	559.1	558.4	†558.	†557.6
12	556.2	555.7	556.	555.9	555.	†555.1	555.3	554.3	554.	554.3
13	550.7	551.1	551.8	554.	555.2	558.3	560.	559.3	559.1	558.6
14	558.6	558.	557.4	557.7	557.3	557.1	557.5	557.9	558.2	557.9
15	554.8	554.7	†554.1	553.8	553.1	553.	552.8	553.2	553.5	553.8
16	558.1	558.	557.6	557.3	557.1	557.	556.9	556.5	556.2	555.2
17	556.8	556.8	556.2	556.4	556.5	556.8	556.4	556.8	556.5	§556.
19	559.5	559.	558.5	558.	557.5	556.6	556.5	556.2	556.	555.6
20	†555.7	555.2	555.	554.6	554.6	554.7	554.2	554.	554.3	554.
21	554.7	554.2	553.8	553.5	553.1	552.7	552.3	551.8	551.3	551.3
22	558.7	558.2	558.	557.7	557.6	557.7	557.4	557.3	556.8	556.6
23	551.6	550.7	550.4	549.7	549.4	549.5	549.5	549.6	550.2	549.9
24	558.2	558.3	557.9	557.2	556.8	556.5	556.	555.4	554.9	554.6
26	555.9	555.5	555.7	555.6	555.7	555.4	555.4	555.	554.8	555.
27	558.5	558.3	558.1	558.6	558.5	559.6	559.5	559.	558.9	558.7
28	556.8	556.7	556.9	557.3	557.5	557.8	558.	558.2	558.3	
29	556.1	556.1	555.9	555.9	555.8	555.5	555.4	555.3	555.3	
*30	553.4	552.	551.8	552.2	552.6	553.8	555.5	553.6	554.	
Means	556.4	556.	555.6	556.	555.8	556.	556.	555.8	555.8	

* See disturbance observations. † One minute late. ‡ One minute soon. § Supplied.

FIRST MINIMUM OF DECLINATION

1843

Göttingen time Observatory time	*h. m.* 2 00 20 19½	*h. m.* 2 06 20 25½	*h. m.* 2 12 20 31½	*h. m.* 2 18 20 37½	*h. m.* 2 24 20 43½	*h. m.* 2 30 20 49½	*h. m.* 2 36 20 55½	*h. m.* 2 42 21 01½	*h. m.* 2 48 21 07½	*h. m.* 2 54 21 13½
June 1	567	567.2	566.4	566.4	566.6	566 1	566.1	565.9	‡566.2	566.5
2	565.2	564.7	563.3	561.	561.9	561.4	‡562.	562.8	564.5	563.9
[redacted]	569.	567.2	567.1	568.2	569.5	571.8	571.1	571.2	‡569.	567.2
[redacted]	560.7	560.8	561.	560.8	560.6	560.7	560.9	560.7	‡560.8	561.
[redacted]	†568.1	567.4	565.1	565.3	566.7	566.8	566.8	566.3	‡566.7	567.2
7	564.7	564.9	564.9	566.3	568.2	570.	570.5	578.	‡582.5	587.6
8	564.1	564.	564.	563.4	563.5	563.6	563.7	563.9	564.1	565.
9	563.7	563.	563.2	562.4	563.1	563.2	562.8	562.7	562.9	563.1
*10	573.6	570.9	578.9	.....	599.6	592.6	583.4	576.9	577.4	576.9
12	561.7	562.4	566.9	571.5	571.8	571.1	‡573.5	575.9	577.9	575.1
13	567.5	566.	564.8	563.8	563.1	563.7	563.9	563.9	564.7	565.
14	561.7	561.8	561.7	561.9	562.	562.	562.5	562.8	562.9	562.6
15	561.5	561.4	561.2	561.8	562.1	562.2	561.9	561.8	561.1	561.5
16	562.6	562.5	562.1	562.6	562.4	562.	561.9	562.3	562.3	562.2
17	562.3	562.2	563.	562.9	563.6	564.1	564.1	563.6	562.8	563 7
19	565.7	565.8	565.6	565.1	565.2	565.1	565.4	565.8	‡566.	566.6
20	562.3	562.4	562.	562.9	562.	562.5	562.8	562.2	565.	564.3
21	561.6	561.7	561.4	562.8	565.1	564.9	565.8	566.1	567.4	567 5
22	560.9	561.8	562.	561.9	562.5	562.4	‡562.8	563.1	563.5	562.9
23	566.8	568.	567.5	568.4	567.	566.7	565.2	564.1	564.	565.
24	564.4	564.	564.2	561.5	564.2	562.8	564.1	564.6	564.9	566.
26	561.1	562.3	562.8	562.6	561.5	561.6	562.8	561.6	562.8	563.
27	562.	562.5	562.9	563.	563.4	563.	564.1	563.6	563.9	562.9
28	563.5	563.4	563.5	563.3	563.2	563.1	563.1	563.2	563.6	563.4
*29	565.2	565.1	565.2	565.	564.2	564.5	563.	562.	563.6	563.7
*30	566.2	566.9	567.5	563.8	563.1	563.4	565.	566.8	568.5	569.
Means	564.4	564.3	564.6	565.1	565.6	565.8	565.3	565.5	566.1	566.2

* Non disturbance observations. † Four minutes late. ‡ Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	22 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
June 1	566.5	566.8	566.9	566.2	566.3	566.1	567.	566.	565.7	567.2
2	563.1	561.7	562.5	562.1	562.1	563.4	‡563.	562.3	563.9	565.4
*3	571.2	571.6	570.5	572.6	579.7	576.7	566.5	‡560.	553.1	551.
5	561.6	561.8	561.9	562.1	562.	562 1	561.1	562.4	562.3	563.1
6	567.2	568.2	567.2	566.8	568.8	568.4	567.	568 5	569.3	569.
7	584.3	583.	578.6	576.3	578.1	577.2	576.4	574 8	574 3	573.4
8	564.7	565.1	565 8	566.2	565.9	566.4	567.3	567.9	567.1	566.
9	563.	562.7	563.1	562.9	563.1	563.1	563.8	565.5	564.6	564.4
*10	567.6	564.2	566 8	570.8	569.6	568.5	568.	.....	545.8	573.4
12	571.1	569.3	567.3	565.9	566.7	565.5	567.1	567.6	568.3	567.9
13	565.8	565.9	565.7	565.7	566.	565.	564.	564.	566.3	568.1
14	562.6	562.3	562.3	562.1	562.1	562.	562	562.3	562.	562.
15	562.7	561.1	560.9	561.3	561.5	561.3	561.1	561.5	561.4	561.9
16	562.2	562.4	562.5	562.1	562.9	562.4	562.2	562.	562.	562.
17	562.6	561.8	562.8	562.8	563.5	563.4	563.2	563.2	562.5	562,8
19	566.2	566.3	566.1	565.5	565.3	565.5	565.2	565.2	564 9	565.6
20	564.3	563.7	563.	563.8	564	†564.4	565.5	566.9	567.2	566.3
21	566.7	565.9	565.5	565.2	566.4	566.4	‡566.2	566.2	566.1	565.7
22	563.2	563.5	563.3	563.4	563.6	563.8	564.9	565.4	569.8	573.
23	565.	565.	564.7	563.5	563.	563.9	563.7	†561.5	563.9	564.5
24	566.	565.5	565.9	565.7	565.5	565.6	565.8	566.	565.2	564.6
26	563 5	563.9	564.	563.1	563.8	563.7	564.4	563.7	563.3	562.6
27	563.	562.9	562.8	563.	563.1	563.2	563.6	562.7	–	
28	563.7	564.	564.	563.9	564.	563.9	564.5	564.5	‡	
*29	566.3	565.8	563.	563.9	565.4	565.3	565.7	564.6	‡	
*30	568.	566 5	563.7	562.9	561.1	566.8	563.6	577.7		
Means	565.9	565.4	565.	565.	565.5	565.5	565.5	565.		

* See disturbance observations. † One minute late. ‡ Supplied.

Göttingen time Observatory time	*h. m.* 13 00 7 19½	*h. m.* 13 06 7 25½	*h. m.* 13 12 7 31½	*h. m.* 13 18 7 37½	*h. m.* 13 24 7 43½	*h. m.* 13 30 7 49½	*h. m.* 13 36 7 55½	*h. m.* 13 42 8 01½	*h. m.* 13 48 8 07½	*h. m.* 13 54 8 13½
June 1	†583.6	582.6	580.5	581.7	581.2	579.5	578.6	579.	577.7	578.3
2	586.8	587.1	584.	582.1	580.8	581.	580.	579.4	579.4	579.3
*3	581.1	582.2	582.5	581.9	582.4	580.5	580 5	‡581.	581.1	580.2
[redacted]	573.3	573.3	572.9	572.1	571.	571.1	572.	571.2	571.1	572.8
	571.	570.8	570 8	570.9	571.7	570.6	571.	570.	570.1	570.
7	575.	573.2	572.7	572.	572.1	572.2	570.8	571.3	571.9	572.9
8	570.8	570.7	571.4	570.9	570.	570.	568.3	567.6	568.4	568.5
9	573.5	573.4	573.2	572.4	572.	571.3	571.4	570 1	570.	570.6
10	582.5	581.6	582.6	582.3	580.4	579.3	580.1	578.5	577.2	575.6
12	579.9	580.1	579.9	579.1	576.5	580.	580.9	580.	579.2	579.1
13	572.1	572.2	573.2	572.3	570.9	571.2	572.2	571.	570.3	569 8
14	572.6	573.4	574.5	571.6	571.1	574 1	575.6	574.3	574.2	574.8
15	†570.	570.1	569.8	570.1	570.7	570.1	570.7	569.8	569.7	569.3
16	576.3	576.2	†575.9	575.8	575.5	575.3	575.	575.1	574.1	574.6
17	574.5	574.2	573.5	573.4	573.	573.2	573.3	573.1	572.5	571.7
19	573.	573.2	573.5	573 7	573.6	573.3	573.5	573.3	573.2	573.
20	577.1	577.5	577 9	577.8	577.4	577.1	576.5	576.1	575.6	574.4
21	576.4	576.6	576.8	576.2	576.1	576.	576.	576.	575.7	575.6
22	572.9	572.8	573.1	573.5	573.9	573.9	574.	573.4	573.	574.4
23	575 4	575.5	575.9	576.	576.2	576.	575.3	574.6	574.2	573.9
24	580.9	580.4	580.5	580.	579.7	579.9	579.9	579.1	579.2	579.4
26	585.6	585.9	585.8	585.8	585.7	585.6	585.8	585.2	585.4	585.
27	577 2	577.1	576.6	576.9	577.2	576.2	575.9	575 2	575.1	574.9
28	576.2	576.8	577.1	577.5	577.3	577.	576.1	574.9	574.4	574.
29	578.	577.2	577.	576.1	575.6	575.	574.3	573.9	573 1	573.
*30	577.5	577.7	577.5	577.4	577.1	577.4	577.9	578.3	578.8	577.9
Means	576.7	576.6	576.5	576.3	575.9	575.9	575 6	575.	574.8	574.7

* See disturbance observations. † One minute late. ‡ Small.

ttingen time.. servatory time.	*h. m.* 21 02 15 21½	Therm., Fah.	*h. m.* 21 08 15 27½	*h. m.* 21 14 15 33½	*h. m.* 21 20 15 39½	*h. m.* 21 26 15 45½	*h. m.* 21 32 15 51½	Therm, Fah.	*h. m.* 21 38 15 57½	*h. m.* 21 44 16 03½	*h. m.* 21 50 16 09½	*h. m.* 21 56 16 15½
ie 1	‡839.3	‡67.	838.2	836.1	836.1	833.6	832.	68.4	833.3	834.5	835.6	838.3
2	850.	73.4	850.3	850.2	847.1	847.4	846.9	73.5	845.7	849 2	852.1	853.4
*3	900.4	78.6	902.1	903.2	903.5	901.7	900.3	78.2	900 1	898 9	897.4	901.7
5	905.2	81.7	907.2	911.5	914.	914 7	908.7	82.2	911.4	911.8	913 1	912.7
6	884.4	75.	887.3	887.4	887.2	887.9	‡87.1	‡75.3	882.8	885.5	888.1	891.5
7	886.5	70.7	887.	885.3	881.4	878.9	862.5	71.4	858.5	864.2	866.	865.9
8	867.4	69.1	871 5	873.1	872 3	877.	874.9	69.3	875.5	874.	874.3	876.3
9	911 5	83.8	914.8	915.3	914.2	914.7	913.9	83.9	†916.2	911.6	914.7	917.1
10	946.6	84.7	943.2	941.5	943.7	940.	928.8	84.9	928.2	915.2	914.2	919.5
12	889.2	71.2	897.8	898.5	904.	911.	910.9	71.8	908.2	900.1	885.4	887.2
13	886.6	70.9	886.4	891.2	897.8	888.2	883.9	71.3	881.1	880.9	878 2	886.
14	906.	77.4	907.2	907.7	†912.6	910.7	911.3	77.8	909.7	910.	908.1	909.7
15	878.1	74.9	878 3	881.	879.9	881.5	883.5	75.4	884.3	885.9	884.4	885.9
16	896 1	76.4	896.8	897.	895.6	895.2	899.	76.9	896.6	895.6	893.2	894.
17	887.4	73.3	888.7	888.4	889.8	890.	890.6	73.9	§890.3	889.9	890.	890.3
19	865.8	73.7	867.6	868.7	872.2	867.7	870.8	74.2	868.5	870.	868.3	868.5
20	875.5	73.6	874.4	873.7	874.7	878.	880.	74.4	879.1	878.8	880.1	881.8
21	883.4	77.6	885.8	890.9	894.4	893.5	893.6	76.8	893.6	893.4	896.3	894.8
22	909.8	81.3	910.2	911.3	911.5	909.9	910.5	82.1	911.4	911.9	912.8	912.9
23	897.8	83.	898.6	900.4	902.	905.1	905.9	83.7	906.1	906.9	907.9	907.1
24	909.4	84.7	908 5	909.4	910.	908.8	910.	81.9	910.1	910.5	910.3	911.9
26	917.2	80.4	917.2	918.9	920.5	920.5	919.	‡80.8	920.	919.4	921.	922.2
27	905.3	83.7	905.4	903.6	904.1	906.	906.	84.3	906.5	907.4	910.1	909.5
28	913.2	81.9	914.3	915.4	916.8	916.2	919.2	82.2	920.8	921.6	920.5	922.8
29	912.7	83.7	909.6	908.6	908.7	907.1	906.7	84.3	904.4	903.3	910.8	911.6
*30	967.9	83.7	968.3	966.9	959.1	950.2	946.3	84.2	943.	940.2	940.9	937.
ans	895.8	77.5	896.8	897.5	898.2	897.5	896.3	77.9	895.6	895.1	895.1	896.5
duced to 32° F.	791.2		792.	792.5	793.	792.1	790.7		789.8	789.1	788.9	790.1

* See disturbance observations. † One minute late. ‡ Supplied. § Three minutes late.

h. m. 1 02 19 21½	Therm., Fah.	*h. m.* 1 08 19 27½	*h. m.* 1 14 19 33½	*h. m.* 1 20 19 39½	*h. m.* 1 26 19 45½	*h. m.* 1 32 19 51½	Therm., Fah.	*h. m.* 1 38 19 57½	*h. m.* 1 44 20 03½	*h. m.* 1 50 20 09½	*h. m.* 1 56 20 15½
856.9	70.2	856.9	857.9	858.3	859.2	858 1	69.7	859.	859.1	859.3	858.5
880.1	†71.1	884.9	897.5	889.5	888.	885.2	†71.6	883.5	878.4	874.6	872.
939.6	74.9	930.2	933.4	934.4	938.6	951.	74.7	951.3	951.	943.	939.8
922.6	82.9	921.9	921.8	921.4	921.6	920.4	82.6	919.9	918.8	919.4	916.8
901.	75.9	892.6	899.	897.5	895.6	900.2	75.4	901.4	901.2	895.7	890.9
903.8	74.4	902.	896.5	893.5	893.2	893.1	74.	892.7	892.	897.1	896.9
882.2	70.7	882.6	881.	880.4	881.1	881.5	70.8	881.2	880.6	879 6	880.8
923.	84.1	923.2	924.	925.1	927.2	926.8	84.	926.	925.8	925.7	923.
925.2	86.	928.7	937.2	933.4	926.8	937.4	†85.8	941.9	938.8	928.2	929.
912.5	74.3	916.8	916.6	919.4	917.2	915.1	73.8	915.2	901.9	896 2	895.9
893.8	72 3	894.1	894.3	894.1	894.	894.3	72.3	893.1	895.	892.7	886.
910.1	79.9	909.5	910.8	911.6	911.3	911.2	79.3	912.1	911.9	912.4	912.6
906.7	78.	906.4	907.1	908.9	909.1	910.7	77.8	910.7	909.5	908.7	910.5
906.8	78.6	905.3	902.9	903.7	905.2	907.2	†78.4	908.	907.2	904.2	905.7
894.5	73.4	893.1	894.	893.5	893.9	895.3	73.3	894.7	895.7	895.8	895.8
890.	†75.	889.2	887.1	888.2	889.5	891.5	74.5	891.7	892.7	894.9	895.4
897.3	76.6	897.5	897.7	897.5	899.3	898.7	76.6	900.3	901.3	901.8	901.5
913.6	80.9	915.8	914.9	915.	913.9	913.8	80.8	914.2	915.1	914.7	914.5
922.6	84.	923.	923.7	925.	924.1	923.2	83.6	925.7	924.6	925.9	924.4
924.8	85.	927.	926.7	928.	926.8	927.2	84.7	928.5	927.5	925.1	917.1
926.	83.6	925.3	925.9	925.1	926.	928.6	83.2	920.7	922.7	923.	921.9
926.4	82.9	925.6	926.3	925.8	925.9	927.9	82.7	929.7	929.5	929.2	928.7
931.3	84.2	932.8	932.8	931.1	931.3	930.6	84.1	930.6	930.	926.3	926.5
930.1	83.1	929.7	930.3	931.9	931.7	930.2	83.	930.1	929.3	930.6	930.1
915.9	84.2	948.6	944.2	941.3	938.9	933.2	84.1	929.9	929.9	928.9	929.9
964.8	87.1	962.4	957.5	955.4	956.	958.4	87.2	960.6	962.6	968.1	971.
913.	79.	913.5	913.	912.6	912.5	913.3	78.8	914.3	914.8	911.6	910.6
804.9		804.5	805.1	804.8	804.8	805.7		806.8	807.4	801.4	803.5

[redacted]

† Supplied.

Gottingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
June 1	857.3	69.3	858.	856.4	856.3	856.	855.2	69.2	855.8	855.2	854.4	853.6	69.4
2	871.5	72.2	875.3	878.8	879.7	882.9	885.4	69.6	†882.2	878.9	877.6	882.4	†68.9
*3	933.5	74.6	934.	929.	926.	927.2	929.	74.1	931.5	937.1	943.7	947.1	†73.7
5	916.	82.4	916.	913.5	916 9	917.1	917.	82.3	917.3	916.9	916.	916.	82.2
6	887.7	75.	892.8	900.3	904.2	904.8	904.5	†74.5	906.	909.7	909.	908.	74.2
7	898.9	73.7	914.1	907.8	911.5	913.2	906.4	73.3	899.5	893.3	884.2	883.9	72.7
8	879.	79.8	879.7	881.6	882.3	879.9	882.4	70.8	883.	881.1	881.2	879.3	70.9
9	922.6	83.8	922.8	923.	924.4	920.9	919.8	83.6	919.6	920.2	919.2	918.6	83.4
*10	939.6	85.5	954.1	953.9	944.8	907.7	896.7	†85.2	893.5	900.6	907.7	920.	†85.
12	900.1	73.4	909.	911.4	907.4	909.	912.6	73.8	913.5	910.8	904.3	900.	72.
13	882.5	72.1	883.	885.4	887.4	889.6	887.1	72.1	887.4	889.3	889.6	889.9	72.
14	911.9	79.2	911.6	910.2	911.6	911.6	911.8	78.8	910.8	911.7	912.3	913.1	†78.5
15	910.7	77.7	911.3	912.1	911.	909.6	908.8	77.3	908.5	910.2	910.3	909.7	77.
16	902.3	78.	904.6	904.6	904.1	903.8	904.2	77.9	904.3	903.7	903.	903.6	77 6
17	895.4	72.9	893.9	893.7	894.5	892.2	891.7	†72.7	892.8	890.6	891.8	891.7	72.4
19	894.	74.	894.6	897.1	897.	894.9	893.7	73.9	893.3	894.8	898.5	897.8	73.4
20	900.9	76.2	900.6	901.1	900.8	901.	902.9	75.8	904.5	904.4	900.2	901.5	75.6
21	914 8	80.3	915.2	916.3	912.1	909.	906.4	80.3	904.4	908 2	911.2	910.9	80.1
22	925.9	83.3	923.3	921.8	922.8	921.9	921.9	83.1	921.6	921.1	921.2	919.2	82.8
23	914.1	84.6	912.3	915.3	917.	918.9	920.7	84.1	922.9	921.5	925.	922.2	84.
24	921.7	83.	923.3	923.9	924.2	925.3	926.2	†82.8	924.6	920.5	926.4	925.9	82.6
26	928.4	82.5	928.4	926.2	926.6	927.	927.5	82.2	928.3	929.	930.4	930.7	81.9
27	925.5	84.	925.9	928.1	927.4	934.3	930.5	83.8	934.6	931.8	930.8	933.	83.7
28	930.2	82.8	929.3	929.1	929.	928.4	929.	82.7	929.1	930.	931.7	931.2	82.5
*29	932.1	83.9	932.2	932.8	932.8	932.3	934.7	83.5	936.7	940.1	941.6	942.8	†83.3
*30	974.3	86.9	976.	975.4	981.	981.3	981.6	86.8	978.6	978.4	977.1	978.3	86.7
Means	910.4	78.5	912.4	912.6	912.8	911.5	911.1	78.2	911.	911.1	911.5	912.3	77.9
Reduced to 32° Fah.	803.5		805.6	805.9	806.2	805.	804.8		804.3	805.2	805.8	806.7	

* See disturbance observations.

† Supplied.

Göttingen time.. Observatory time.	*h. m.* 15 32 9 51½	Therm., Fah.	*h. m.* 15 38 9 57½	*h. m.* 15 44 10 03½	*h. m.* 15 50 10 09½	*h. m.* 15 56 10 15½	*h. m.* 16 02 10 21½	Therm., Fah.	*h. m.* 16 08 10 27½	*h. m.* 16 14 10 33½	*h. m.* 16 20 10 39½	*h. m.* 16 26 10 45½
June 1	862.3	67.7	861.6	860.5	861.2	861.7	862.5	67.7	860.9	861.	859.	859.1
2	839.9	64.1	840.8	†839.4	838.1	837.7	837.	65.2	840.2	840.	843.7	845.4
*3	930.9	76.8	930.	930.1	936.8	929.7	927.1	77.9	935.6	936.1	932.9	940.2
5	925.1	75.2	926.1	926.8	927.9	929.3	929.8	75.7	930.3	930.	929.4	930.
6	911.5	73.9	913.	912.2	913.	913.1	912.8	73.7	912.4	913.	911.9	911.6
7	889.5	66.3	889.7	884.9	889.7	889.	885.7	66.6	886.7	884 2	884.3	885.6
8	890.9	65.9	889.3	891.7	891.9	891.2	889.5	66.2	888.5	886.8	885.7	885.2
9	895.6	73.7	896.6	897.5	897.2	897.2	898.3	74.5	898.	898.2	897.9	898.1
10	923.1	80.5	923.6	924.2	919.4	917.8	916.5	80.9	912.7	912.6	917.3	917.
12	904.7	66.1	903 5	901.1	902.9	902.	902.4	66.5	902.5	902.6	901.7	901.5
13	897.	66.5	893.7	894.	895.5	901.2	896.4	66.6	894.2	888.2	892.6	891.8
14	939.8	73.6	942.3	946.	946.6	942.3	940.8	74.2	943.	946.1	951.	955.4
15	895.2	71.1	896.6	896.7	896.9	895.1	893.5	71.5	893.1	892.2	891.4	890.8
16	930.8	71.5	929.4	‡927.8	928.2	929.1	926.8	71.8	928.3	925.	924.1	924.5
17	901.3	69.8	900.5	900.7	899.8	899.2	897.5	70.1	896.3	899.	899.1	897.1
19	898.4	67.4	898.	895.5	‡892.1	894.1	894.2	68.	895.	895.9	896.	896.4
20	888.	67.4	887.	887.4	886.6	886.7	886.7	67.9	886 8	886.9	886.1	886.1
21	904.8	68.8	904.1	903.5	904.3	905.6	905.8	69.4	905.3	906.	905.3	904.7
22	923.9	76.4	923.6	922.9	922.4	923.2	923.5	76.7	927.	926.6	926.2	925.
23	925.2	77.3	926.5	927.5	927.8	928.2	927.6	77.8	926.3	925.3	925.2	924.9
24	928.7	79.9	929.4	929.2	928.9	926.2	926.	80.2	924.	924.2	925.2	925.2
26	935.9	75.	937.7	938 3	939.8	939.9	910.8	75.4	940.3	941.4	940.9	941.3
27	930.6	77.	929.1	929.6	929.	929.1	929.2	77.6	927.5	927.1	927.8	926.
28	931.7	80.2	930.1	929.5	929.8	930.9	932.3	80.4	932.8	933.5	932.1	932.7
29	927.6	78.8	928.8	930.7	933.	935.2	937.8	79.2	938.4	939.4	941.3	943.3
*30	956.	79.	953.1	951.5	955.	959.1	959.9	79.5	960.9	962.2	961.7	961.3
Means	911.1	72.7	910.9	910.7	911.3	911.3	910.8	73.1	911.	910.9	911.1	911.5
Reduced to 32° F.	817.5		817.1	816.8	817.1	816.9	816.3		816.2	815.8	815.8	816.

* See disturbance observations. † Supplied. ‡ One minute late.

...ingen time ... / ...rvatory time ...	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
June 1	859.4	67.7	858.7	859.5	860.6	859.2	862.8	67.6	862.1	863.6	864.2	865.5	67.5
2	846.	66.5	845.8	848.7	849.5	849.1	851.	67.8	855.4	854.	857.7	859.4	69.1
*3	940.5	78.9	934.7	939.6	940.7	939.9	931.6	79.	934.8	934.9	931.4	932.	79.2
5	929.9	76.	929.7	928.5	927.	925.7	923.3	76.4	921.1	920.3	†918.7	916.9	76.9
6	911.2	73.8	912.	910.2	910.5	912.5	912.2	73.7	913.1	911.6	911.1	910.	74.
7	881.8	66.9	881.9	†879.	876.1	878.5	881.	67.2	874.2	868.2	868.4	874.8	67.4
8	882.7	66.5	884.7	883.4	884.4	883 1	883.9	66.7	881.8	881.8	876.5	873.1	66.9
9	897.7	75.	897.8	898.6	898.3	898.3	899.3	75.5	901.1	900.7	900.3	900.	76.
10	916.6	81.2	915.7	921.5	912.8	916.1	918.9	81.5	923.2	918.3	917.8	919.4	81.9
12	903.2	67.1	905.4	‡905.9	906.6	907.9	907.7	67.5	908.5	914.3	907.6	903.5	68.
13	889.7	66.9	888.8	894.9	898.7	903.4	901.3	67.4	899.3	907.9	912.6	911.7	67.7
14	955.6	74.6	954.7	949.8	944.7	943.5	939.3	75.1	940 5	941.2	936.8	932.6	75.4
15	889.4	71.6	888.2	889.1	§889.1	889.	890.6	71.8	893.6	890.3	890.1	889.	72.
16	925.3	72.	922.6	919.4	922.2	921.	921.	72.3	920.7	919 7	918.2	915.9	72.6
17	897.1	70.4	897.1	896.2	896.5	897.6	897.8	70.8	898.1	899 1	898.4	898.7	71.
19	897.	68.5	897.5	897.5	900.8	898.6	897.4	69.1	895.9	897.3	896.4	895.	69.4
20	884.2	†68.6	882.7	883.2	884.6	881.9	880.	69.1	878.7	878.	877.9	877.9	69.7
21	904.1	70.	902.8	901.8	901.6	901.5	901 9	70.7	901.9	902.3	901.3	902.2	†71.
22	923.7	77.1	924.1	922.7	922.8	920.8	920.9	77.4	920.1	920.1	918.	916.7	77.9
23	925.2	78.1	924.3	925.	924.8	923.2	922.8	78.8	922.7	922.4	920.8	920.1	79.2
24	926.7	80.7	925.3	924.4	922.9	922.7	924.8	81.1	925.9	926.2	925.5	922.1	81.4
26	943.3	75.9	942.7	942.5	942.3	941.	939.9	76.2	938.9	937.4	935.9	934.	76.6
27	925.8	†78.3	924.1	923.7	923.8	924.2	923.2	78.8	921.8	920.1	919.9	918.3	79.1
28	932.3	80.5	933.1	932.4	931.7	932.	932.3	80.9	932.3	932.5	932.3		
29	944.6	79.7	942.9	941.6	941.4	941.4	939.6	80.3	940.2	941.7	942.4		5
*30	963.7	79.9	960.4	959.	952.4	960.4	962.9	80.2	960.	958.4	954 9		4
Means	911.4	73.6	911.5	910.7	910.3	910.5	910.7	74.	910.2	910.1	909.1		79.3
Reduced to 32° Fah	815.7		815.6	814.1	814.	814.	814.1		813.4	813.1	812.3		

* See disturbance observations. † Supplied. ‡ One minute late. § Two minutes late.

Göttingen time.. Observatory time.	*h. m.* 22 04 16 23½	Therm., Fah.	*h. m.* 22 10 16 29½	*h. m.* 22 16 16 35½	*h. m.* 22 22 16 41½	*h. m.* 22 28 16 47½	*h. m.* 22 34 16 53½	Therm., Fah.	*h. m.* 22 40 16 59½	*h. m.* 22 46 17 05½	*h. m.* 22 52 17 11½	*h. m.* 22 58 17 17½
June 1.....	763.9	74.3	765.5	767.	768.9	770.4	771.9	75.	772.9	774.5	776.	777.1
2.....	807.1	76.2	806.3	805.2	803.9	803.3	802.7	75 6	801.8	800.4	800.	799.6
*3.....	841.1	78.8	839.8	838.9	838.1	837.1	‡836.5	‡78.4	836.	835.5	835.1	834.
5.....	842.2	82.8	842.7	843.8	845.	846.	847.	‡83.3	848.	848.9	849.5	850.3
6.....	786.3	76.8	786.1	787.	787.	787.	787.1	‡76.9	787.6	788.	788.	788 5
7.....	731.	78.7	731.9	733.	733.9	734.6	735.	78.7	735.8	736.2	737.	738.
8.....	700.2	70.	700.7	701.	701.3	701.9	702.4	70.	703.5	704 6	704.	704.
9.....	855.3	83.3	856.	856.2	856.8	857 7	857.	83.5	856.8	857.2	858.3	859.
10.....	874.7	85.8	871.4	873.1	876.3	876.7	877.3	85.8	†877.7	878.	878.1	878.3
12.....	732.4	74.9	738.4	738.5	740.3	741.2	742.	74.3	742.7	744.	745.6	746.4
13.....	725.6	72.6	726.3	727.3	728.5	729.8	730.4	72.6	731.1	731 3	731.9	732.6
14.....	800.6	78.7	801.2	801.5	802.3	802.4	802.5	79.1	803.3	803.8	804.5	805.4
15.....	776.	76.7	776.6	777.5	778.4	780.3	780.5	76.9	781.2	782.3	782.8	783.5
16.....	781.2	77.6	782.	783.2	784.1	785 3	786.3	77.8	786 7	788.4	788.7	790.1
17.....	749.1	74.4	749.5	750.2	750.3	751.	751.4	74.6	752.4	753.3	754.	755.
19.....	742.1	74.6	743.3	744.7	746.	747.	748.2	74.9	749.4	750.5	751.7	752.3
20.....	745.3	74 9	746.9	752.	748.8	750.5	752.5	75.4	752.8	754.3	755.5	756.8
21.....	774.7	78.2	776.1	777.3	778.7	780.8	782.3	78.4	784.3	785 6	787.3	789.
22.....	835.1	82.6	†835.9	†837.	837.	837.8	838.1	83.1	839.3	840.6	841.	841.9
23.....	855.7	83 9	856.4	857.2	857.9	858.7	859.5	84.2	860.5	860.8	861.4	862.1
24.....	868.2	84.9	868.9	869.7	870.3	870 7	871.2	84.9	871.7	872.4	873.	873.5
26.....	821.5	81.5	822.6	822.7	823 6	824.1	†824 9	‡81.8	825.7	826.6	826.5	827.8
27.....	852.2	84.7	853.3	854.7	855.7	856.9	858.1	85.	859.2	860.2	861.1	861.9
28.....	854.3	82.8	854.5	854.5	854.9	855.	855.1	83.2	855.1	855.1	855.6	856.2
29.....	857.2	85.2	857.7	858.6	859.3	860.5	861.6	85.9	862.8	864.2	865.9	867.1
*30.....	863.5	85.3	864.	864.5	864.7	865.2	865.3	85.8	865.7	866.4	867.1	868.3
Means.....	801.4	79.2	802.6	803.2	803.8	804.3	804.9	79.4	805.3	806.3	806.9	807.9
Reduced to 32° F.	164.2		164.8	164.8	164.9	164.9	165.7		164.8	165.2	165.3	165.8

* See Disturbance observations. † One minute late. ‡ Supplied.

Göttingen time Observatory time	h. m. 23 01 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
June 1	778 6	75.4	779.9	780.9	781.9	783.1	784.3	75.4	785.7	786.6	787.6	788.4	75.4
2	798 2	75.	796.8	795.7	795.	793.8	792.3	74.4	791.5	790.7	789.5	789.	†74.
*3	833 6	78.3	832.5	831.5	829.9	828.9	827.4	78.	826.	825.1	824.4	823 2	77.5
5	850.9	83.7	851.6	852.4	853.4	854.	854.9	83.9	855 8	857.	857.7	859.	†81.1
6	789.	77.	789.2	790.	790.4	791.	791.2	77.4	792.	792 7	794.	794.1	76.5
7	739.2	79.3	740.6	741.8	713.	744.3	745.2	79.4	745.6	746.7	747.7	749.	†79.5
8	704.9	70.5	705.3	705 8	706.1	706.7	707.1	70.4	707.9	708.8	709.7	710.2	70.5
9	859.9	84.	860.3	860.3	860.9	861.2	861.7	84.4	862.5	863.2	864.	865.	84.
10	879.3	85.8	880.3	880.7	881.1	881.5	882.1	85.8	883.3	884.1	884.9	885.9	85.8
12	747.3	74.5	748.7	749.3	750.6	752.	753.4	74.6	754.5	756.3	757.4	758.	74.5
13	733.2	72 6	733.9	734.8	735.5	736.3	736.4	72.6	737.3	737.5	738.	738.2	72.7
14	806.3	79.4	806.5	806.8	807.6	807.5	809.3	79.5	810.3	810.4	811.3	811.9	79.5
15	784.5	77.3	785 9	786.3	787.3	788.	789.2	†77.4	790.	790 9	792.2	792.6	77.5
16	791.1	78 2	791.6	792.5	793.7	794.5	795.2	78.4	796.3	797.1	798.1	798.7	78.6
17	755.5	74.5	756.4	757.2	757.7	758.5	759.2	71.5	760.1	760.3	761.1	761.3	†74.5
19	753.5	75.1	755.	755 5	756.5	757.4	758.7	75.1	759.8	760.7	761.3	762.2	74.9
20	758.3	75.9	759.2	760.2	761.4	763.3	764.6	76.3	765.1	766.8	768.4	769.4	76.3
21	790.6	79.	792.3	791.	795.1	796 9	798.2	79 3	800.1	801.3	801.6	803.7	79.4
22	843.	83.4	841.	§845.2	846.	846.5	847.5	83.7	848.	850.	850.5	851.	83.7
23	862.7	†84.6	863.3	863.7	864.9	865.4	866.	84.7	866.5	867.5	868.2	868.9	84.7
24	874.4	84 9	875.	875.5	875.9	876.4	876.8	84.8	876.8	877.2	877.6	877.8	84.7
26	828.7	82.3	829.7	830.9	832.	833.1	833.4	82 5	835 5	836.2	837.6	838.5	82.5
27	862.7	85.1	863.7	864.6	865.3	866.4	867.1	85.1	868.	868.8	869.8	870.	85.
28	856.4	83.4	‡855.8	‡859.1	857.5	858.1	858.6	83.6	859.9	860.	860.4	860.9	83.6
29	865.6	85.7	870.1	871.2	872.5	873.8	874.5	85.5	875.4	876.	877.5	877.4	85.3
*30	866.1	86.	870.	870.3	871.1	871.9	873.4	86.3	875.	877.4	879.7	881.1	86.5
Means	808.2	79.6	809.1	809.8	810 5	811.2	811.8	79.7	812.6	813.7	814.2	814.8	79.7
Reduced to 32° Fah.	165.6		166.2	166.6	167.	167.5	167.9		168.7	169.8	170.3	170.9	

* See disturbance observations. † Supplied. ‡ Instrument disturbed. § Four minutes late.

Göttingen time.. Observatory time.	*h. m.* 12 34 6 53½	Therm., Fah.	*h. m.* 12 40 6 59½	*h. m.* 12 46 7 05½	*h. m.* 12 52 7 11½	*h. m.* 12 58 7 17½	*h. m.* 13 04 7 23½	Therm., Fah.	*h. m.* 13 10 7 29½	*h. m.* 13 16 7 35½	*h. m.* 13 22 7 41½	*h. m.* 13 28 7 47½
June 1.....	†748.5	71.6	†749.2	†751.2	†752.3	†752.8	†753.4	‡71.6	†753.6	753.7	754.2	754.8
2.....	714.3	67.	713.1	712.	711.	710.	708.8	66.8	707.5	706.3	706 3	705.7
*3.....	781.	74.9	782.	783.2	783.2	784.	784.5	74.8	784.8	785.	785.5	785.7
5.....	786.5	75.4	787.	786.8	786.8	786.9	786.8	‡75.7	786.9	786.8	786.9	787.
6.....	794.7	75.3	794.1	793.3	792.5	793.3	792.6	75.2	792.6	792.1	791.2	790.3
7.....	684.7	66.9	684.6	684 6	683.3	682.6	682.	66.8	681.6	681.2	681.	680.3
8.....	681.8	66.8	†681.	680.7	680.1	679.5	679.5	66.8	678.6	677.7	676.6	676.1
9.....	708.5	70.3	708.8	708.9	708.9	708.9	709.3	70.5	709.3	709.4	709.2	709.
10.....	842.4	79.2	842.1	841.6	840.7	†840.1	839.9	79.2	838.6	838.5	838.1	837.4
12.....	685.1	66.4	683 8	683.4	683.	682.3	681.8	66.5	681.1	680.5	680.	680.1
13.....	681.3	66.4	680.7	680.	679.5	679.2	678.2	66.5	677.7	677.2	676.4	676.2
14.....	734.5	72.2	734.4	734 6	734.7	734.9	735.	72.4	734.3	735 1	735.1	735.2
15.....	746.2	71.	745.6	744.6	744.	743.4	743.	70.9	742.2	741.3	741.	740.2
16.....	749.7	72.	749.4	748.4	747.6	747.3	747.1	71.8	†745.5	746.	745.9	745.8
17.....	728.1	70.1	†727.1	726.3	725.7	724.4	723.6	70.	722.8	722.	721.1	720.5
19.....	672.3	66.1	672.2	†671.9	671.2	671.	670.7	66.2	670.4	670.	669.6	669.3
20.....	†672.5	65.9	672.	671.9	671.3	671.	670.7	66.1	670.2	669.8	669.4	669.2
21.....	698.3	67.9	697.5	697.1	696.6	696.2	696.	67.9	695.4	695.1	694.8	694.1
22.....	797.9	76.7	798.	797 9	797.7	797.8	797.3	76.7	797.4	797.1	797.1	796.9
23.....	812.2	76.9	811.6	811.7	†811.1	810 8	810.6	76.9	810.4	810.	809.8	809.1
24.....	834.6	79.	834.2	834.	833.6	833.4	833.2	79.1	832.8	832.5	832.2	831.9
26.....	783.3	74.6	782.9	782.5	782.1	781.9	781.7	74.7	781.2	780.9	780.3	780.1
27.....	795.3	76.	795.	794.6	791.2	794.1	794.7	76.	793.7	793.7	793.5	793.2
28.....	848.1	80.3	847.8	847.2	847.1	846.5	846.1	80.4	845.7	845.5	844.8	844.5
29.....	824.2	78.	823.8	823.5	822.9	822.2	821.9	78.	821.2	821.	820.4	819.8
30.....	836.2	78.8	836.1	835.8	8 5.6	835.	834.8	78.9	834.3	834.2	833.8	833.6
Means.....	755.5	72.5	755.1	754.9	754.6	754.2	754.	72.5	753.5	753.2	752.9	752.5
Reduced to 32° F.	208.8		208.4	208.2	207.9	207.5	207.3		206 2	205.3	204.5	203.6

June 1	754.4	71.7	‡754.	754.3	754.7	755.	754.9	72.	754.2	754.9	755.3	756.	72.3
2	704.8	66.7	703.3	702.7	701.5	700.9	700.2	67.	699.5	699.	698.8	698.2	‡67.1
*3	786.4	75.2	787.3	788.9	790.1	791.3	792.9	76.7	793.	794.	795.6	797.3	77.6
5	†787.5	75.9	786.7	788.	788.6	788.1	788.	76.8	788.1	788.2	788.2	788.	76.
6	789.3	75.2	788.2	787.8	786.8	786.5	785.9	75.2	785.3	784.8	784.1	784.1	75.3
7	679.6	‡66.9	678.9	678.7	678.	678.	677.2	67.	677.	676.5	677.	677.1	‡66.9
8	†675.2	66.8	674.6	674.1	674.1	673.9	673.5	66.7	673.3	673.3	673.7	673.9	66.8
9	709.4	71.	709.8	710.5	711.2	711.5	712.	71.6	712.7	713.2	714.3	715.5	72.
10	837.3	79.4	836.8	836.1	835.9	835.2	835.4	79.9	835.1	835.1	835.	835.9	80.
12	679.9	66.6	679.	678.8	679.	678.6	678.5	66.8	678.5	‡678.5	678.5	678.9	67.1
13	676.3	66.8	676.1	675.8	675.5	676.3	676.1	67.	676.2	676.9	677.5	677.6	67.3
14	735.7	72.6	735.7	736.2	736.1	736.4	736.8	73.	737.3	738.1	738.9	739.9	73.2
15	739.8	71.	739.1	738.9	738.1	737.1	736.3	71.1	736.7	736.4	736.8	737.2	71.4
16	745.5	71.7	745.3	745.2	744.7	744.9	744.5	71.9	744.7	744.5	744.6	744.9	71.9
17	719.8	70.	718.8	718.8	717.6	717.6	717.1	70.	717.	716.6	716.2	715.9	70.2
19	668.9	66.4	669.	669.3	669.3	669.7	670.2	66.8	671.	670.9	671.4	672.3	67.
20	668.9	66.3	668.9	669.	668.9	669.1	669.1	66.6	669.4	670.	670.2	670.3	67.1
21	694.2	68.	693.3	693.5	693.3	693.9	694.	68.4	694.2	694.	694.7	695.	68.7
22	796.9	76.7	796.8	796.6	797.1	797.4	796.3	76.7	797.3	797.2	797.2	797.5	77.
23	808.6	77.	808.3	807.6	807.2	807.1	806.9	77.1	806.4	806.3	806.2	806.3	77.3
24	831.7	79.3	831.4	831.2	831.2	831.1	831.	79.6	830.8	830.9	830.8	831.2	79.8
26	780.1	74.8	779.4	779.2	778.6	778.9	778.9	75.	778.7	778.6	778.6	778.7	75.3
27	793.	‡76.2	792.9	792.4	792.1	791.9	791.9	76.4	791.6	791.1	791.	791.	76.7
28	843.8	80.5	843.7	843.6	843.3	843.4	843.2	80.6	843.2	843.2	843.2	843.2	80.8
29	819.6	78.1	819.2	819.	818.9	818.5	818.4	78.4	818.2	818.4	818.2	817.8	78.6
30	833.2	79.	833.2	832.9	832.7	832.5	832.6	79.2	832.8	833.	832.9	833.5	79.3
Means	752.3	72.7	751.9	751.5	751.3	751.7	751.6	73.	751.6	751.7	751.9	752.2	73.4
Reduced to 32° Fah.	202.9		201.7	200.5	199.5	199.1	198.1		196.7	195.5	194.3	193.3	

* See disturbance observations. † One minute late. ‡ Supplied.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

EXTRAORDINARY MAGNETIC OBSERVATIONS.

MAXIMA AND MINIMA,

FROM JULY TO DECEMBER, 1843.

GENERAL NOTE.

No special note is required for the observations which follow.

Göttingen time Observatory time	h. m. 6 00 0 19½	h. m. 6 06 0 25½	h. m. 6 12 0 31½	h. m. 6 18 0 37½	h. m. 6 24 0 43½	h. m. 6 30 0 49½	h. m. 6 36 0 55½	h. m. 6 42 1 01½	h. m. 6 48 1 07½	h. m. 6 54 1 13½
July *1	579.8	575.2	570.2	570.6	573.8	577.	580.4	581.3	583.3	584.8
3	573.1	573.9	574.1	572.5	572.4	572.9	571.7	568.8	567.8	568.2
4	567.9	566.5	565.8	566.8	567.	566.1	565.1	567.4	567.7	567.3
5	573.1	572.2	570.6	570.6	570.1	†570.5	571.2	571.7	570.1	568.5
6	564.4	564.7	564.3	564.2	563.9	564.3	564.1	564.7	564.2	564.3
7	563.5	563.7	†563.5	563.4	563.7	563.5	563.7	564.5	564.	564.7
*8	574.	568.7	567.5	568.8	570.6	573.	576.1	577.2	580.4	576.9
10	565.6	564.3	564.6	564.4	565.9	562.8	559.3	555.5	554.2	554.3
11	565.	566.8	568.3	568.	568.7	566.9	567.4	568.8	569.3	568.2
12	564.6	564.3	564.4	564.3	565.8	564.4	564.7	564.6	‡564.5	565.1
13	564.4	564.6	564.8	564.9	564.8	564.9	565.	565.	564.8	565.
14	†574.	573.2	571.2	570.1	569.3	568.9	568.9	568.2	568.4	567.6
15	568.3	568.9	567.9	567.	567.3	566.2	566.2	566.	‡565.	564.4
17	564.7	564.5	564.9	564.3	563.8	564.	563.9	563.7	563.8	563.8
18	565.1	564.9	564.5	564.1	564.8	564.4	565.	565.	565.2	564.5
19	†568.	568.	‡567.9	566.7	566.9	566.4	565.9	‡565.1	564.7	565.7
20	564.3	565.	563.3	564.2	564.2	564 4	564.4	564.4	563.8	564.1
21	565.9	566.8	567.5	567.7	567.9	567.9	569.1	‡571.	572.1	572.2
22	566.2	565.6	567.1	‡566.6	567.8	568.	567.8	568.2	567.2	567.9
24	563.8	564.4	563.9	563.8	564.1	564.4	563.7	564.2	564.4	564.7
*25	562.5	562.7	563.	563.5	563.5	563.6	564.2	564.8	564.	564.8
*26	562.6	562.5	562.	561.8	562.5	563.8	565.	566.8	567.3	566.3
*27	567.2	566.4	566.	566.6	567.7	568.5	570.4	571.1	572.8	574.4
28	562.	562.7	562.6	560.8	562.3	561.9	561.9	559.7	‡565.5	553.5
29	570.5	569.3	568.	568.3	568.8	569.1	568.2	567.5	567.5	567.1
31	573.2	572.2	571.3	571.4	571.6	570.2	570.9	571.9	572.	573.2
Means	567.4	567.	566.5	566.4	566.9	566.8	567.1	567.6	567.5	567.

* See disturbance observations. † Supplied. ‡ One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
July *1	586.1	583.5	580.9	578.9	576.4	574.9	574.8	574.2	572.9	571.5
3	566.5	566.3	564.9	564.4	563.6	§564.5	565.4	564.3	562.5	567.
4	566.9	567.9	567.8	566.4	565.	562.9	560.8	560.	559.6	562.1
5	568.	565.9	565.3	564.5	564.5	562.9	563.2	563.9	565.	565.7
6	562.6	563.1	563.2	563.9	565.4	564.5	565.5	565.8	567.	567.1
7	564.	563.9	564.	564.1	564.5	564.7	565.	565.9	565.5	566.3
*8	574.3	576.4	575.6	575.1	574.3	574.	576.6	579.5	580.9	581.8
10	555.7	556.	559.2	563.	564.3	562.	558.7	§558.	557.2	557.5
11	568.2	569.2	570.	570.6	567.4	569.6	569.9	‖568.	566.5	563.2
12	565.3	565.4	565.6	565.9	566.2	‡565.7	565.5	565.8	566.1	566.4
13	565.	565.7	565.3	565.9	566.1	566.4	566.1	566.	566.5	566.1
14	567.6	†567.1	567.	566.5	567.	566.8	566.	566.	566.	565.5
15	563.8	563.5	563.	562.8	562.8	563.5	564.4	564.9	564.4	564.9
17	564.3	564.7	565.	565.	564.9	564.9	564.6	564.7	564.9	566.
18	564.9	565.	565.	564.8	564.9	565.	564.9	565.4	566.	566.
19	564.9	565.1	‡565.1	‡565.7	565.9	565.9	‡566.3	565.	566.3	565.
20	564.	564.	564.4	564.2	563.9	564.	563.5	562.7	562.6	562.8
21	570.9	569.	567.7	567.7	567.8	568.1	567.8	568.1	567.6	567.6
22	568.5	568.7	568.4	567.9	568.4	568.7	568.9	571.8	574.1	577.2
24	565.1	565.6	565.7	565.9	566.5	565.7	564.7	564.9	564.9	565.
*25	564.	564.5	564.6	564.8	565.8	565.9	565.	565.4	567.2	567.
*26	564.2	568.1	569.7	561.	558.	555.1	558.	562.1	565.5	565.1
*27	574.8	575.4	574.4	572.4	569.4	569.3	567.7	569.7	572.2	†573.1
28	553.6	‡555.4	514.3	554.5	556.3	559.2	561.7	564.9	565.2	566.5
29	566.7	566.7	567.4	567.4	567.5	567.3	‡567.2	567.1	564.	566.6
31	572 2	571.4	567.8	563.8	564.3	561.4	560.6	¶559.1	¶558.8†	¶559.

Göttingen time Observatory time	h. m. 18 00 12 19½	h. m. 18 06 12 25½	h. m. 18 12 12 31½	h. m. 18 18 12 37½	h. m. 18 24 12 43½	h. m. 18 30 12 49½	h. m. 18 36 12 55½	h. m. 18 42 13 01½	h. m. 18 48 13 07½	h. m. 18 54 13 13½
July *1	555.2	554.8	554.7	554.2	554.	553.9	553.3	552.4	550.9	550.
3	§55.9	558.7	556 8	556.9	556.2	554.7	553.9	554 6	554.9	554.4
4	556.7	557.	557.1	557.2	556 9	556.5	555.2	555.	554.9	554.
5	561.7	561.8	561.4	561.2	561.	561.2	560.8	560.5	560.5	560.6
6	558.7	558.3	557.9	557.8	557.5	557.3	557.1	557.2	556.6	556.7
7	554.9	554.7	554.2	553.9	554.7	554.1	554.7	554.7	554.7	554.1
*8	553.1	553.1	554.9	553.5	552.6	553.	553.3	553.3	553.4	553.9
10	549.7	548.7	547.3	547.1	547.4	547.3	549.2	549.7	548.2	547.1
11	555.2	555.3	554.6	554.	554.5	554.3	553.8	553.6	553.5	554.
12	554.4	554.2	554.2	554.6	554.8	555.1	555.2	555.1	555.	554.7
13	560.6	558.9	558.9	558.5	557.6	557.	556.4	556.4	556.3	556.5
14	551.3	550.8	549.3	548.7	548.6	548.9	549.2	550.1	550.2	550.7
15	559.3	559.5	559.6	559.6	558.7	557.7	557.8	557.3	556.5	556.
17	556.8	556.6	556.7	557.4	556.7	556.7	556.7	†556.3	556.	555.4
18	554.	553.9	553.8	553.5	553.	552.4	552.1	551.9	551.8	551.8
19	555.6	555.2	554.8	554.6	554.2	554.2	554.1	553.7	553.4	553.3
20	554.5	554.2	554.8	554.4	553.9	553.9	554.	553.7	553.5	553.3
21	552.6	552.1	551.4	551.5	551.1	550.6	550.4	550.6	550.3	549.6
22	551.1	550.7	550.2	550.1	550 1	550.	549.7	549.5	549.8	550.2
24	562.6	560.2	559.2	560.5	560.2	558.7	556.3	555.5	559.4	561.4
*25	542.3	541.8	544.3	548.8	547.2	541.3	539.9	538.9	538.5	535.3
*26	554.3	554.9	555.2	556.2	556.	555.	555.8	556.2	556.3	556.5
*27	552.	551.8	551.6	551.7	550.6	549.6	549.2	549.3	549.7	‡550.3
28	547.2	547.2	547.5	547 6	547.7	546.5	546.2	545.	545.3	545.8
29	556.7	556.8	556.2	556.7	556.8	556.2	554.9	554.2	553.3	553.1
31	551.4	550.9	550.1	549.8	549.5	547.6	546.5	546 8	547.2	547.5
Means	554.6	554.3	554.1	554.2	553.9	553.2	552.9	552.7	552.7	552.5

* See disturbance observations. † One minute late. ‡ Four minutes late. § Supplied.

Göttingen time Observatory time	h. m. 2 00 20 19½	h. m. 2 06 20 25½	h. m. 2 12 20 31½	h. m. 2 18 20 37½	h. m. 2 24 20 43½	h. m. 2 30 20 49½	h. m. 2 36 20 55½	h. m. 2 42 21 01½	h. m. 2 48 21 07½	h. m. 2 54 21 13½
July *1	564.7	566.6	564.9	563.	562.3	564.1	564.2	568.4	573.	576.9
3	561.9	563.1	561.3	562.5	565.5	568.6	563.5	573.4	569.3	567.4
4	567.6	566.7	564.4	562.9	561.3	559.7	560.	560.6	561.7	563.5
5	560.3	561.4	561.3	561.8	560.9	561.9	561.9	562.	562.1	562.1
6	561.4	561.7	561.4	561.6	561.1	561.7	563.	563.4	562.6	562.8
*7	560.3	563.1	562.6	565.5	565.7	571.7	579.1	584.9	585.1	580.9
*8	565.7	564.8	564.5	563.6	563.2	562.9	562 2	561.6	561.2	561.
10	563.8	564.7	568.3	568.9	566.9	566.	565.4	563.8	562.9	562.1
11	564.7	564.5	563.1	562.4	563.	566 2	570.8	572.9	570.4	567.9
12	562.3	562.3	562.4	563.1	563.9	564.3	563.9	565.9	567.7	569.2
13	564.	563.9	563.7	564.2	564.3	564.2	563.7	564.3	564.7	564.8
14	560.3	561.	561.4	562.5	562.1	†562.1	561.9	562.3	562.3	562.9
15	566.2	565.3	565.9	566.8	567.5	567 2	566.5	566.8	566.3	567.1
17	562 9	562.9	562.6	563.1	562.9	562.8	563.3	563.7	563.2	563.4
18	563.4	563.	563.	563.	563.	563.4	563.5	563.5	563.4	563.2
19	563.8	563.9	564.	564.7	564.8	564.8	563.6	564.2	564.5	565.5
20	563.2	563.	563.	563.1	562.7	563.	563.	563.	563.	563.2
21	564.8	564.5	564.9	565.	565.1	565.2	564.9	564.1	563.8	571.2
22	570.4	568 5	566.8	565.	564.	563 7	563.9	563.1	562.7	563.1
*24	561.9	562.3	562.1	562.2	562.3	562.	561.9	562.8	563.8	561.8
*25	576.6	576.1	585.5	581.5	584.6	579.	572.8	572.	571.8	566.7
*26	563.5	563.5	563.2	563.2	563.1	565.2	564.7	562.	562.5	562.1
*27	564.3	569.1	580.7	594.2	589.	581.8	575.1	573.9	572.2	580.5
28	564.	563.7	563.7	567.6	565.1	564.3	567.7	570.4	569.4	567.4
29	566.1	565.9	567.0	571.1	570.7	569.6	568.1	569.5	568.6	568.2
31	563.9	564 4	564.4	564.6	564.2	564.3	564.6	565.7	566.	567.4
Means	564.3	564.6	565.3	566.	565.7	565.8	565.5	566.5	566.3	566.6

ry time.	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
1	580.5	584.6	587.9	587.4	582.1	577.3	573.7	570.6	569.2	567.6
3	565.1	563.1	564.3	568.4	572.5	572.1	569.5	567.2	566.8	565.8
4	566.3	†568.3	569.5	569.9	569.7	569.5	568.8	567.6	566.1	566.2
5	562.5	562.5	562.6	563.	562.9	563.8	564.	563.7	563.2	563.1
6	563 6	564.9	565.9	565.7	564.8	564.6	564.3	564.7	565.2	564.3
*7	578.7	577.4	574.	570.3	568.	568.5	567.1	568.3	568.5	568.4
*8	560.9	561.1	560.3	560.5	560.7	560.7	562.	562.2	562.8	563.4
10	562.3	562.6	563.	563.6	562.7	563.1	563.	563.2	563.	563.
11	566.	564.4	563.4	562.8	562.8	563.2	563.5	563.2	563.1	562.5
12	570.7	572.6	576.3	574.7	572.3	573.1	571.9	568.3	566.6	565.4
13	564.6	565.4	565.7	565.5	566.3	566.8	567.2	574.5	572.2	576.6
14	563.2	563.8	564.	564.5	565.6	566.1	566.5	566.8	567.1	567.2
15	567.5	567.6	567.4	567.3	567.7	569.6	570.4	569.5	†569.5	569.3
17	563.1	563.3	563.2	563.6	564.6	566.5	566.	567.	566.9	566.4
18	562.6	564.	564.	564.9	563.9	564.9	564.9	564.7	564.	564.4
19	564.3	564.	564.4	564.2	564.8	564.6	563.8	565.8	565.9	566.3
20	563.6	563.5	563.7	563.9	563.4	563.1	563.1	563.	563.7	562.9
21	578.2	581.8	581.8	581.2	579.8	578.	577.1	577.4	576.9	576.9
22	562.3	562.1	562.2	563.	563.6	563.	562.7	562.9	562.8	563.
*24	561.4	563.1	564.	563.	562.5	561.9	562.	562.3	562.5	562.7
*25	565.5	558.	558.8	566.7	591.7	591.	598.7	595.8	585.6	586.
*26	562.	561.8	562.1	562.3	560.9	562.5	563.2	564.4	564.5	562.9
*27	589.1	590.8	591.	588.9	586.5	582.8	578.7	573.1	568.7	567.3
28	565.2	564.2	564.7	563.5	563.9	†564.5	564.4	†569.5	574.1	575.
29	568.6	568.8	570.6	567.8	567.1	567.5	567.5	566.	565.5	566.2
31	567.3	567.	566.8	565.7	565.8	565.4	565.1	565.4	564.7	564.7
Means	567.1	567.4	567.8	567.8	568.3	568.2	568.	568.	567.3	567.2

* See disturbance observations.

† One minute late.

Göttingen time Observatory time	*h. m.* 13 00 7 19½	*h. m.* 13 06 7 25½	*h. m.* 13 12 7 31½	*h. m.* 13 18 7 37½	*h. m.* 13 24 7 43½	*h. m.* 13 30 7 49½	*h. m.* 13 36 7 55½	*h. m.* 13 42 8 01½	*h. m.* 13 48 8 07½	*h. m.* 13 54 8 13½
July *1	581.8	580.8	579.8	579.5	578.6	582.	584.2	584.2	581.5	578.3
3	576.9	576.3	576.1	577.1	578.	577.2	576.	577.2	579.	578.6
4	572.3	571.4	572.	570.7	570.4	569.4	568.6	569.4	570.4	569.9
5	571.2	569.2	571.3	572.	572.6	572.9	573.3	573.4	573.	572.2
6	571.2	570.9	571.5	571.3	570.7	571.1	570.1	570.2	570.2	570.9
7	573.5	574.1	572.9	572.3	573.1	571.9	571.	571.1	573.2	573.1
*8	580.	580.	581.1	581.7	582.3	581.9	580.9	580 8	582.	580.5
10	574.3	575.2	575.2	575.8	573.7	573.	568.6	566.3	563.4	563.2
11	575.8	573.7	571.9	568.7	566.2	567.5	567.9	569.3	571.2	571.8
12	572.	572.2	571.7	570.8	571.1	571.3	571.1	571.7	571.4	571.6
13	576.5	576.9	577.6	577.9	577.3	577.	576.6	576.8	577.5	577.2
14	569.9	568.9	569.3	571.6	573.5	573.9	574.6	573.4	572.7	570.8
15	571.	571.	571.7	571.	571.3	570.	570.9	570.8	572.1	571.7
17	576.	575.7	575.	576.	576.4	576.	575.	573.9	573.1	572.1
18	573.5	572.7	572.5	572.	572.8	573.4	572.3	573.	573.	572.3
19	575.7	575.4	575.9	575.7	576.	576.9	577.	576.5	576.7	577.5
20	572.5	573.	573.2	573.6	573.5	573.4	573.2	573.4	573.7	573.2
21	573.7	574.9	576.5	576.5	576.7	577.1	577.4	576.6	576.6	577.1
22	582.8	581.4	581.7	581.9	580.9	580.5	581.3	581.4	579.9	579.1
24	579.1	579.1	579.7	579.7	579.8	579.9	580.	579.8	580.1	579.5
*25	551.6	555.	546.9	551.3	553.9	560.7	562.6	561.8	561.1	560.7
*26	582.7	581.7	581.5	581.2	580.7	580.3	580.3	580.2	579.8	579.7
*27	580.8	580.9	580.	579.7	577.4	576.1	576.8	576.9	576.2	575.3
28	577.7	577.4	579.	576.1	574.1	573.4	575.1	571.7	571.	570.8
29	579.5	579.1	579.	579.4	579.	579.1	578.4	579 3	578.4	578.3
31	575.3	576.1	577.5	577.7	578.7	578.7	579.	578.7	577.9	577.1
Means	574.9	574.7	574.6	574.7	574.6	574.8	574.7	574.5	574.4	574.

.....	939.8	79.9	939.5	940.3	938.8	938.3	944 2	79.5	943.3	942.9	942.9	943.	79.5
.....	936.1	75.	935.	935.2	933.7	933.	932.2	74.5	930.6	932.	932.4	936.5	74.1
.....	919.	66.9	916.	914.8	916 9	920.5	923.4	66.8	924.8	926.6	921.6	926.3	66.7
5.....	931.	70.7	932.2	932.	931.5	933.1	933.1	70.5	934.	934.3	934.2	935.	70.5
6	920.5	68.8	919.	919.	918.6	917.8	917.6	68.4	917.7	917.5	916.9	916.4	68.1
7.....	929.8	70.2	929.5	928.5	928.	928.9	928.2	69.9	928.4	927.4	927.5	927.4	69.7
*8.....	972.9	76.	969.4	967.4	965.5	962.6	964.5	75.7	969.2	962.4	963.	961.2	75.5
10.....	941.2	76.1	937.6	935.4	935.4	933.	932.6	76.	930.	929.	928.8	928.9	76.
11.....	948.	75.8	945 1	942.6	941.4	940.4	939.6	75.7	937.8	936.2	935.8	935.7	75.6
12.....	924.8	69.	923.8	923.1	921.9	921.2	921.1	68.9	921.1	921.7	921.4	921.9	68.8
13.....	925.4	69.7	922 3	923.2	921.2	922.	923.8	69.7	923.9	923.7	922.5	920.9	69.6
14.....	911.3	69.4	913.4	918.2	921.7	922.3	922.6	69.3	922.4	924.5	927.6	929.1	69.5
15.....	921.9	73.9	919.9	920.2	918.9	920.	921.1	73.9	925.1	928.2	934.5	936.4	73.8
17.....	922.1	72.6	923.5	924.	924.	927.6	925.3	72.6	925.6	926.1	926.1	926.3	72.5
18.....	929.1	75.5	931.1	931.7	931.	930.8	931.	75.5	930.9	933.1	934.2	935.9	75.5
19.....	940.9	78.8	940.6	939.9	940.3	940.1	938.7	78.6	938.2	937.8	937.5	937.8	78.5
20.....	926 2	74.3	926.7	927.2	926.1	926.6	925.8	73.8	925.1	925.4	925.2	924.5	73.6
21.....	918.6	67.9	917.9	917.7	917.6	917 8	916.4	67.5	914.5	915.5	914.1	913.4	67.5
22.....	920.4	68.9	918 7	916.	914.7	913.8	913.	68.6	914.3	914.5	914.5	916.1	68.5
24.....	925.8	75.	925.9	927.5	926.8	928.1	926.2	75.	925.4	924 5	924 8	924.6	75.1
*25.....	943.8	78.3	946.5	941.5	949.1	979.	973.6	77.9	971.3	984.8	981.9	974.	77.7
*26.....	959.7	74.5	959.7	959.8	960.5	960.9	959.7	74.2	960.2	959.9	959 9	959.7	74.
*27.....	918.9	75.7	950.2	949.5	945.5	944.7	945.1	75.6	944.5	946.	947.5	947.8	75.7
28.....	958.9	79.	958.9	959.4	958.3	961.	962.5	79.	965.	964.8	964.8	966.5	79.
29.....	961.1	82.8	960.8	959.8	959.	959.7	959 5	82.8	961.4	961.3	960.8	960.7	82.8
31.....	949.6	74.4	947.4	918.5	947.	948.2	951.4	74.2	950.9	948.2	947.4	947.7	73.9
Means.....	935.6	73.8	935.	934.7	934.4	935.8	935.9	73.6	936.	936.5	936.5	936.7	73.5
Reduced to 32° Fah.....	839.5		838.9	838.7	838.5	840.	840.2		840.3	840.9	841.	8	

* See disturbance observations.

Göttingen time.. Observatory time.	*h. m.* 21 02 15 21½	Therm., Fah.	*h. m.* 21 08 15 27½	*h. m.* 21 14 15 33½	*h. m.* 21 20 15 39½	*h. m.* 21 26 15 45½	*h. m.* 21 32 15 51½	Therm., Fah.	*h. m.* 21 38 15 57½	*h. m.* 21 44 16 03½	*h. m.* 21 50 16 09½	*h. m.* 21 56 16 15½
July *1.....	948.8	87.8	950.	952.	954.7	954.3	952.5	88.3	953.1	954.5	953.7	954.2
3.....	916.	74.5	903.8	914.4	916.1	923.5	920.5	75:	915.8	920.9	925.7	919.4
4.....	931.8	73.5	926.	932.7	929.8	924.7	924.1	74.	925.1	926.7	924.	916.1
5.....	912.5	75.9	914.3	917.6	920.	918.5	918.3	75.9	919.	917.8	929.3	921.7
6.....	924.2	73.1	925.1	922.6	921.8	923.2	922.	73.7	920.6	921.5	919.	921.7
7.....	911.6	76.8	939.2	937.7	937.2	934.2	944.4	77.4	946.5	912.4	944.9	953.3
*8.....	978.4	79.7	980.2	970.3	968.6	964.7	969.1	80.2	970.3	968.6	966.8	973.5
10.....	949.3	79.9	950.8	918.	941.2	950.	946.3	80.	945.	944.9	945.4	914.
11.....	925.5	72.4	918.3	917.3	912.	914.3	912.9	72.3	915.	921.9	930.1	928.8
12.....	916.5	71.2	916.5	917.	919.4	919.3	918.6	‡71.3	919.8	922.3	923.4	921.7
13.....	918.7	71.2	914.8	924.3	925.8	926.	929.5	71.4	924.6	926.7	923.2	923.5
14.....	938.9	75.	936.6	937.7	927.7	927.1	934.5	75.5	934.3	924.9	920.1	924.1
15.....	955.4	79.8	954.2	949.4	942.4	†944.	940.4	79.5	938.4	938.3	936.2	936.7
17.....	936.8	76.2	934.5	932 1	935.3	937.9	938.2	76.4	938.	936.7	936.5	936.7
18.....	935.3	83.2	935.3	936.5	937.3	936.5	936.2	83.6	937.2	938.3	940.5	941.
19.....	937.	83.7	935.3	934.4	936.1	937.6	937.5	84.	938.5	941.	943.8	946.5
20.....	920.7	76.	920.6	920.3	919.7	919.1	918.9	76.2	918.8	917.3	916.1	917.9
21.....	920.4	73.9	919.3	920.2	920.1	918.8	918.6	74.6	917.2	916.4	914.3	911.8
22.....	933.4	76.4	928.4	930.3	933.3	933.5	931.7	77.4	932.	930.8	932.2	932.9
*24.....	943.7	82.6	943.7	950.6	947.5	943.8	934.9	83.	941.7	959.5	955.5	978.5
*25.....	945.7	81.	952.8	968.8	954.5	943.2	964.1	81.5	965.2	952.1	943.	947.7
*26.....	942.8	79.9	937.1	940.3	941.9	944.	938.9	80.5	942.	946.2	945.	949.2
*27.....	951.6	84.1	958 5	965.4	964.6	962.7	961.8	84.7	956.2	955.2	953.2	951.2
28.....	953.1	88.	956.5	960.	962.1	959.5	959.	88.5	963.5	962.2	963.6	967.4
29.....	973.1	89.1	985.1	987.1	986.6	983.2	984.	89.1	987.7	975.8	982.7	964.4
31	923.6	72.3	924.	920.3	925.2	922.5	916.5	72.4	918.2	916.3	916.5	920.
Means.....	937.5	78.4	937.	938.7	937.8	937.2	937.4	78.7	937.8	937.7	938 7	939.4

Jan. v.] SECOND MAXIMUM OF HORIZONTAL FORCE—Continued. [1848.

Göttingen time. Observatory time.	A. m. 22 02 16 21½	Therm., Fah.	A. m. 22 06 16 27½	A. m. 22 14 16 33½	A. m. 22 20 16 39½	A. m. 22 26 16 45½	A. m. 22 32 16 51½	Therm., Fah.	A. m. 22 38 16 57½	A. m. 23 44 17 03½	A. m. 23 50 17 09½	A. m. 23 56 17 16½	Therm., Fah.
July *1	952.9	69.1	953.2	953.1	952.	950.1	946.8	†69.7	952.8	957.8	959.6	962.5	90.1
3	912.9	75.2	913.	925.7	929.2	925.7	926.9	75.6	925.8	924.9	923.5	922.9	75.9
4	911.2	74.3	908.5	915.8	922.4	925.2	923.9	74.8	921.8	923.6	918.4	920.7	75.1
5	920.6	75.7	919.7	923.	919.5	923.1	921.6	75.8	922.1	920.2	920.5	919.3	75.9
6	917.3	74.6	921.5	918.6	920.9	920.9	921.1	75.4	922.4	923.6	926.9	920.1	75.9
7	941.6	78.	948.	948.1	961.7	968.5	968.1	78.5	959.8	953.4	943.7	935.7	78.9
*8	974.	80.4	977.	977.4	979.1	978.2	980.3	80.8	981.3	979.	978.7	977.8	81.2
10	945.	80.2	946.7	946.1	947.4	944.5	948.8	80.4	951.3	948.7	951.3	950.4	80.8
11	933.7	72.2	937.6	936.5	937.1	931.7	933.2	72.2	930.	931.3	932.7	917.7	72.1
12	921.7	71.5	920.8	923.5	922.6	923.	926.1	71.5	927.3	927.4	927.9	932.5	71.6
13	924.9	71.5	927.2	926.4	915.3	913.3	911.7	71.7	917.2	921.	930.5	939.6	71.7
14	925.3	76.	922.3	919.9	921.9	919.8	914.7	76.7	917.8	917.3	916.3	921.8	76.9
15	938.1	79.4	934.6	933.8	933.9	933.4	932.	79.5	932.7	929.7	928.4	928.	79.4
17	940 4	76.7	939.7	939.5	936.5	937.2	937.5	76.8	938.1	938.3	938.6	939.5	76.9
18	942.5	84.1	943.	945.	946.8	948.2	947.8	84.6	949.2	947.2	947.	949.	84.9
19	949.2	84.2	951.4	948.8	947.5	949.	948.7	84.7	949.8	950.	951.5	948.8	84.7
20	918.9	76.7	920.6	920.6	920.8	921.	920.1	77.4	921.5	922.2	923.6	925.	77.8
21	911.	75.3	913.2	913 8	912.6	912.4	912.9	75.9	913.9	915.	913.4	915.7	76.6
22	935.2	77.8	938.5	940.3	941.2	937.8	947.	†78.8	945.2	943.7	945.7	946.3	79.4
*24	994.3	83.5	1000.5	1000.7	991.8	984.8	976.2	84.2	972.4	977.	974.8	959.6	84.7
*25	954.6	81.7	956.2	932.6	942.9	947.	956.3	82.3	960.5	948.2	964.2	986.	†83.7
*26	948.6	80.9	953.4	953.4	950.7	952.9	955.9	81.5	958.3	961.	963.8	964.9	†81.9
*27	950 4	85.5	953.4	952 4	960.8	962.4	962.	86.	952.3	956.6	962.4	962.7	86.7
28	963.4	88.7	941.5	944.8	961.7	982.7	982.5	89.2	978.7	983.9	992.9	988.	†89.6
29	978.1	88.7	969.8	961.6	961.8	961.1	965.8	88.7	963.4	962.5	962.6	968.6	88.9
31	924.9	72.3	927.2	929.6	932.	931.8	929.4	72.4	928.5	928.2	930.	929.9	72.6
Means	939.6	79.	939.9	939.7	941.2	941.8	941.8	79.4	942.1	941.6	943.	943.9	79.7
Reduced to 32° F	831.5		831.6	831.2	832.5	832.9	832.8		832.9	831.8	833.4	834.2	

* See disturbance observations.

† Supplied.

Göttingen time.. Observatory time.	*h. m.* 1 02 7 21½	Therm., Fah.	*h. m.* 1 08 7 27½	*h. m.* 1 14 7 33½	*h. m.* 1 20 7 39½	*h. m.* 1 26 7 45½	*h. m.* 1 32 7 51½	Therm., Fah.	*h. m.* 1 38 7 57½	*h. m.* 1 44 8 03½	*h. m.* 1 50 8 09½	*h. m.* 1 56 8 15½
July *1	995.3	91.4	1001.9	1003.	996.5	988.1	981.6	91.8	984.7	988.9	992.2	995.6
3	943.	76.3	938.3	941.1	946.	939.3	931.1	76.	933.3	937.	933.6	936.4
4	925.5	75.8	919.8	922.	929.7	932.2	935.1	75.2	939.3	947.8	943.2	940.3
5	936.1	75.7	938.	938.1	940.	941.	941.2	75.6	938.8	937.3	937.8	937.7
6	935.3	77.3	938.7	936.	937.3	938.5	937.6	77.2	937.5	936.7	935.	936.3
*7	928.7	80.	929.7	932.6	931.6	934.2	939.6	80.1	955.2	957.9	981.9	972.4
*8	980.5	81.9	983.3	981.8	978.4	982.1	983.6	81.2	985.7	987.	986.2	985.2
10	974.7	81.9	977.8	976.	978.8	980.1	974.5	81.2	972.4	963.	955.5	960.4
11	943.8	71.7	944.2	943.7	943.8	942.8	940.4	71.6	935.4	930.5	927.9	924.4
12	921.1	71.5	921.8	926.8	929.2	934.	935.3	71.4	938.5	935.7	932.4	932.4
13	917.6	71.4	915.3	917.5	919.6	920.2	920.7	†71.3	919.	919.1	919.1	916.9
14	932.5	77.5	931.8	930.5	932.4	935.9	938.5	77.4	937.	937.2	936.	937.3
15	939.7	78.6	942.2	939.9	935.9	926.7	928.9	78.5	929.6	930.9	935.	937.
17	937.	77.	935.3	936.1	935.8	932.4	931.3	†77.	934.7	934.4	935.7	933.6
18	960.	86.1	959.3	960.6	961.8	961.3	961.1	†85.9	961.5	961.1	961.2	961.5
19	956.	83.9	956.6	956.3	956.5	955.7	954.7	83.5	954.	955.7	956.8	955.6
20	930.5	78.5	934.6	932.	932.8	933.6	936.5	78.2	935.7	936.1	937.4	937.6
21	924.4	78.	924.	926.7	929.7	929.5	929.8	†77.9	929.9	929.8	928.2	928.6
22	943.6	80.6	944.9	945.	942.8	942.3	944.3	80.4	941.2	938.6	941.3	941.8
*24	955.3	85.2	956.3	960.1	960.3	959.5	959.6	85.	960.7	960.3	960.2	964.5
*25	1017.7	83.4	1017.2	1005.2	992.9	995.4	1004.6	83.3	1007.7	1012.1	1018.1	1017.3
*26	986.6	82.4	979.1	974.2	977.2	982.	979.7	82.2	986.7	991.6	987.7	984.4
*27	978.4	87.8	976.3	977.7	982.9	984.9	984.1	87.7	989.2	992.9	1002.9	1001.1
28	981.6	90.1	980.7	978.8	976.9	980.2	983.	89.8	981.6	983.	984.6	‡984.3
29	980.8	88.3	978.8	981.7	986.4	989.2	989.4	87.9	988.7	987.4	989.5	990.
31	942.	72.2	941.2	941.	940.7	938.9	938.1	72.1	938.9	939.1	938.5	937.6
Means	952.1	80.2	952.6	952.5	952.2	953.1	953.2	80.	954.1	955.	956.5	955.8
Reduced to 32° F.	841.2		841.8	841.8	841.6	842.6	842.8		843.8	844.8	846.4	845.8

July.] FIRST MINIMUM OF HORIZONTAL FORCE.

Göttingen time. Observatory time.	h. m. 2 02 8 21½	Therm., Fah.	h. m. 2 08 8 27½	h. m. 2 14 8 33½	h. m. 2 20 8 39½	h. m. 2 26 8 45½	h. m. 2 32 8 51½	Therm., Fah.	h. m. 2 38 8 57½	h. m. 2 44 9 03½	h. m. 2 50 9 09½	h. m. 2 56 9 15½	Therm., Fah.
July *1	996.5	91.4	999.7	997.6	998.7	†996.	993.4	†91.	993.5	990.9	986.8	979.4	90.6
3	937.7	75.8	937.	938.2	937.5	939.3	938.7	75.6	930.9	927.3	915.5	912.8	75.1
4	943.3	74.9	941.3	938.8	938.3	939.9	937.9	74.7	938.2	938.	939.4	937.9	74.5
5	941.9	75.6	940.3	940.	939.8	939.9	940.1	75.4	939.	938.9	938.9	938.4	75.5
6	934.3	77.	936.9	934.7	936.3	936.2	935.9	76.9	932.5	928.6	929.2	930.7	76.7
*7	969.2	80.2	962.	973.1	969.6	985.4	996.7	80.1	996.5	989.4	987.5	990.2	80.1
*8	984.4	81.	982.4	981.	981.2	979.7	979.	80.8	977.8	979.4	979.2	978.3	80.4
10	968.5	81.1	972.	969.2	966.	965.8	962.2	81.	961.	962.4	961.7	961.8	81.
11	926.2	71.5	925.4	928.1	932.	935.8	936.	71.4	931.1	923.6	923.5	926.8	71.5
12	934.6	71.4	933.5	933.3	931.1	928.7	928.6	71.4	930.5	932.	933.	931.7	71.3
13	916.6	71.2	916.7	915.8	915.1	914.9	915.4	71.	916.2	912.9	912.8	914.5	71.2
14	937.7	77.2	935.4	937.8	938.6	936.7	939.5	77.1	940.1	939.3	937.9	936.7	77.
15	939.5	78.2	941.2	943.7	945.9	946.9	948.1	78.	947.3	947.9	948.9	949.7	77.7
17	934.1	76.9	933.2	934.1	932.5	934.8	934.9	76.9	932.9	933.8	934.9	935.4	76.8
18	961.8	85.6	961.9	961.9	962.3	962.1	961.7	85.5	962.5	963.4	963.5	965.	85.3
19	956.3	83.1	957.9	956.6	955.6	956.	957.9	82.4	956.8	954.4	956.5	958.9	81.6
20	938.3	77.9	940.	941.9	940.4	939.6	940.8	77.5	940.4	941.9	941.3	941.4	77.1
21	927.2	77.8	927.8	927.6	931.2	928.9	927.3	77.4	928.8	931.1	927.8	923.4	77.1
22	942.8	80.2	944.	943.7	943.	943.5	943.7	80.	942.6	943.1	943.3	942.6	79.8
*24	964.9	84.9	965.7	966.6	965.5	964.5	964.4	84.6	966.8	969.	969.5	969.3	84.5
*25	1018.	83.	1022.1	1009.6	1015.7	1010.1	1016.	†82.4	1028.3	1035.1	1033.1	1032.3	82.
*26	985.2	82.	985.9	990.	991.6	996.6	993.5	81.6	989.2	987.6	985.3	982.6	81.2
*27	1003.8	87.3	1000.4	988.7	962.7	956.1	964.7	87.	968.8	981.	993.1	994.4	†86.8
28	980.7	89.3	981.6	985.8	987.4	983.4	985.8	89.	987.3	985.8	985.	984.	88.7
29	992.4	87.7	994.	990.7	984.7	986.6	990.3	87.5	991.1	989.4	991.3	988.8	87.3
31	939.2	72.	936.	937.6	938.	940.2	939.5	71.9	936.9	937.7	939.	937.8	71.8
Means	956.7	79.8	956.7	956.4	955.4	955.3	956.6	79.6	956.4	956.3	956.3	955.6	79.3
Reduced to 32° Fah.	846.8		846.8	846.6	845.7	846.5	847.1		847.1	847.2	847.4	846.8	

* See disturbance observations.

† Supplied.

Göttingen time.. Observatory time.	*h. m.* 15 32 9 51½	Therm., Fah.	*h. m.* 15 38 9 57½	*h. m.* 15 44 10 03½	*h. m.* 15 50 10 09½	*h. m.* 15 56 10 15½	*h. m.* 16 02 10 21½	Therm., Fah.	*h. m.* 16 08 10 27½	*h. m.* 16 14 10 33½	*h. m.* 16 20 10 39½	*h. m.* 16 26 10 45½
July *1	974.4	81.2	975.3	975.9	978.3	981.5	982.1	81.9	980.4	982.9	982.6	987.2
3	967.9	73.4	968.9	967.5	964.5	966.1	968.1	73.5	973.9	978.7	975.9	971.7
4	936.	68.4	936.4	938.1	938.4	937.	937.8	68.9	938.3	939.5	941.5	944.5
5	959.5	71.5	959.8	957.5	957.8	955.3	955.2	72.	954.7	954.1	954.3	952.5
6	933.	68.5	931.6	930.5	930.5	929.8	929.8	68.7	930.6	931.1	931.5	932.2
7	941.4	70.4	941.5	938.2	935.1	933.6	934.3	70.8	932.2	932.1	930.4	930.8
*8	960.6	76.1	966.7	969.7	975.7	974.6	982.4	76.4	986.5	990.3	987.8	989.4
10	972.9	77.1	972.7	969.2	967.4	962.9	963.5	77.3	963.1	965.4	972.9	965.7
11	959.9	75.3	960.2	962.4	965.	967.5	968.8	75.	970.8	968.	962.4	967.3
12	941.1	69.1	940.4	942.4	944.4	937.6	933.9	69.4	933.1	933.6	931.4	928.6
13	945.1	69.7	945.6	943.4	942.1	941.2	941.2	70.	941.3	941.	939.7	939.7
14	949.2	71.3	951.	946.6	946.1	949.1	946.7	71.5	952.4	947.1	949.4	951.
15	939.	75.1	939.5	943.6	946.9	946.3	951.	75.5	949.	947.8	950.6	951.2
17	939.6	73.4	939.	937.9	937.4	936.7	934.8	73.7	935.3	934.9	935.	934.8
18	961.	77.1	960.3	961.2	960.	964.1	962.4	77.7	962.1	962.1	963.7	963.2
19	956.2	80.	957.8	959.3	959.8	960 6	962.4	80.4	963.6	965.2	965.5	966.5
20	945.9	73.5	945.1	945.7	946.6	946.7	947.1	73.7	946.9	947.9	948.6	948.8
21	928.7	68.8	928.8	929.4	929.3	929.4	929.8	69.1	931.1	931.4	932.1	931.4
22	933.8	69.8	935.3	933.9	§933.4	933.9	932.5	70.2	931.7	930.8	930.4	928.7
24	942.6	76.9	942.7	943.9	944.1	942.7	941.1	77.2	942.3	942.4	942.	941.1
*25	1033.2	78.	1041.6	1007.4	1045.6	1036.8	1031.6	78.6	1026.6	1031.	1034.2	1031.5
*26	† 979.2	75.3	977.8	976.7	976.4	974.9	970.3	75.6	971.5	966.2	962.6	959.1
*27	976.7	77.7	‡979.7	979.1	979.7	981.7	980.5	78.	980.2	980.8	981.6	980.9
28	974.7	81.3	972.6	970.1	969.	964.7	965.2	81.8	962.9	960.7	960.5	961.
29	998.4	84.3	996.7	1000.	999.6	999.9	1000.3	84.7	1002.7	1000.3	999.1	¶999.5
31	963.1	72.7	964.1	962.	957.9	956.5	954.5	72.6	955.1	952.8	949.5	949.6
Means	958.2	74.5	959.	957.2	958.9	958.1	958.	74.8	958.4	958.4	958.3	957.9
Reduced to 32° F.	860.5		861.1	859.1	860.7	859.8	859.6		859.8	859.6	859.4	858.8

† One minute late. ¶ Supplied.

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
July *1	982.1	82.4	984.3	984.1	984.1	984.6	989.2	83.	992.4	996.9	996.5	994.2	83.6
3	974.8	73.6	979.	981.1	980.7	977.9	976.6	73.7	977.	971.7	977.2	974.4	73.6
4	947.5	69.2	947.7	947.4	948.7	948.7	949.9	69.8	950.5	951.2	950.8	949.4	70.2
5	952.4	72.6	952.4	952.2	953.6	950.2	949 5	73.1	949.	946 5	947.9	947.1	73.7
6	931.4	69.1	932.1	933.5	933.6	933.6	933.5	69.4	933.7	933.8	934.2	‡933.9	69.8
7	930.5	71.3	928.7	927.6	929.4	931.	929.9	70.7	928.3	929.7	939.	928.3	73.1
*8	986 6	76.6	992.5	995.6	997.2	997.5	995.3	77.1	993.1	987.3	987.	987.7	77.2
10	973.6	77.5	972.5	977.2	973.7	978.3	975.1	77.8	973.6	972.3	976.6	981.9	78.
11	972.2	74.9	967.7	966.2	964.6	966.1	966.2	74.6	977.1	966.7	969.	967.2	74.3
12	927.5	69.6	927.	925.	924.9	926.2	927.6	69.9	928.4	925.8	922.	919.2	70.
13	940.7	70.1	941.7	941.7	940.6	941.	942.	70.2	941.5	945.2	947.	947.6	70.2
14	953.1	71.8	954.1	955.9	956.1	955.9	956.4	73.3	956.	960.1	959.6	959.4	†72.7
15	957.8	76.1	956.3	959.1	963.2	958.1	960.3	76.7	961.	962.9	965.4	967.7	77.
17	935.3	74.2	934.8	933.3	933.8	937.5	934.3	74.5	931.8	931.5	932.5	934.7	74.7
18	962.	78.2	962.2	962.7	963.	961.9	960.7	78.7	960.3	958.4	958.7	957.9	79.
19	967.3	80.7	967.4	967.6	968.6	†969.5	970.6	81.1	972.6	973.7	972.4	972.1	81.5
20	947.9	73.9	947.9	948.5	947.5	946.7	945.7	74.	944 9	945.1	944.3	943.2	74.3
21	930.1	69.6	930.	929.1	†929.5	930.3	929.5	70.1	930.5	931.2	931.3	929.6	70.5
22	927.6	70.9	926.8	925.5	920.3	920.1	923.1	71.5	922.9	924.2	925.4	924.6	73.
24	939.5	77.8	938.7	941.1	939.	939.5	939.9	78.4	941.	943.9	945.2	943.6	78.9
*25	1030.3	78.6	1032.5	1036.9	1039.7	1030.2	1025.	78.8	1026.8	1029.	1030.4	1024.5	79.
*26	953.2	75.9	950.7	950.7	952.9	951.	948.5	76.3	947.	944.8	941.	940.7	76.8
*27	978.1	78.6	977.	975.1	972.2	971.	970.7	79.1	969.2	967.5	964.9	965.3	79.7
28	960.1	82.3	960 6	958.1	956.5	954.	955.8	83.	957.3	957.1	955.6	957.	83.4
29	†1000.	†85.7	†1000.5	1001.	1001.9	1001.6	1001.4	86.7	1001.1	1003.1	1005.1	1002.7	86.7
31	951.4	72.4	951.9	953.1	956.4	952.5	953.4	72.5	953.7	956 4	956.9	952.5	72.4
Means	958.2	75.1	958.4	958.8	957.	956.3	958.1	75.5	958.5	958.3	958.7	958.	75.8
Reduced to 32° Fah.	859.1		859.1	859.3	857 3	856.4	858.1		858.3	857.9	858.1	857.3	

* See disturbance observations. † Supplied. ‡ One minute late.

Göttingen time.. Observatory time.	*h. m.* 22 04 16 23½	Therm., Fah.	*h. m.* 22 10 16 29½	*h. m.* 22 16 16 35½	*h. m.* 22 22 16 41½	*h. m.* 22 28 16 47½	*h. m.* 22 34 16 53½	Therm., Fah.	*h. m.* 22 40 16 59½	*h. m.* 22 46 17 05½	*h. m.* 22 52 17 11½	*h. m.* 22 58 17 17½
July *1	910.6	89.3	911.8	912.6	913.6	915.	916.3	89.8	912.2	918.1	919.1	920.6
3	775.	76.8	774.9	775.5	776 1	776.4	776.9	77.	777.5	777.5	777.4	777.6
4	750.6	74.5	751.4	752.2	752.9	753.9	755.4	74.7	756.3	757.1	757.7	758.4
5	777.3	75.4	777.3	777.4	776 5	777.3	777.3	75.6	777.2	777.2	777.	776.7
6	742.9	74.8	744.3	745.3	746.4	747.6	748.7	75.3	750.2	751.3	753.3	754.2
*7	780.8	77.8	781.9	783.2	784.9	786 4	†787.8	†78.	789.3	791.2	792.3	792.3
*8	818.3	80.3	820.	820.7	821.6	822.7	823.7	80.6	824.2	825.2	825.6	826.3
10	826.4	80.5	827.	827.4	827.9	828 7	829.5	80.6	830.2	830.6	831.	831.6
11	753.4	73.4	753.1	752 6	752.7	752.	752.	73.3	752.4	750.7	750.1	749.1
12	722.	72.1	722.	722.1	722 2	722.3	722.6	72.1	723.1	723.3	723.7	724.2
13	724.4	72.2	724.9	724.9	724.6	724.2	723.9	72.3	724 5	724.9	725.3	726.1
14	768.2	76.9	768.6	769.2	769.9	770.3	770.5	†77.2	771.3	772.1	773.1	774.2
15	821.3	79.3	821.3	820.6	820.3	820.1	820.	79.3	820.6	819.	818.4	817.8
17	770.1	76.4	770.4	770.6	771.2	771.3	771.4	76.5	772.3	772.7	773.3	773.6
18	855.1	83.9	855.7	856.6	857.5	857.9	858.8	84.2	859.9	860.3	861.	861.5
19	868.3	84.2	868.6	869.3	870.2	870.7	871.3	84.4	872.2	872.7	873.7	874.4
20	787.4	77.7	788.6	789.5	790.3	791.2	791.7	78.1	792.7	792.6	792.7	795.
21	757.8	76.2	758.2	759.9	761.1	762.4	762.8	76.8	764 8	766.3	767.2	768.3
22	783.3	78.3	784.2	786.	787.2	788.2	790.7	79.	792.3	793.5	795.1	796.9
*24	835.8	83.8	836.6	836.6	837.7	838.7	840.3	84.2	842.	844.	846.2	847.9
*25	824.	83.2	824.5	824.1	824.1	824.	†825.1	†83.3	826.2	†827.	828.	828.6
*26	823.4	81.3	824.4	826.	827.	827.7	828.8	82.7	828.9	829.4	830.7	831.
*27	859.9	86.2	860.8	861.7	863.3	864.6	865.6	86.7	866.5	867.6	868.8	870.2
28	908.	89.7	908.7	909.7	911.8	913.8	914.9	89.7	915.4	917.5	917.4	918.2
29	924.1	89.2	923.9	925.	925.6	926.	926 5	90.2	926.8	927.	927.1	927.5
31	774.2	73.5	774.2	774.2	774.2	774.2	774.	73.4	773.9	773.9	774.	773.9
Means	805.5	79.5	806.	806.6	807.3	808.	808.7	79.8	809.3	810.1	810.7	811.4
Reduced to 32° F.	164.3		164.	163.8	163.7	163.6	163.4		[redacted]	163.7	163.7	163.9

JUNE.] MAXIMUM OF VERTICAL FORCE—Continued.

Göttingen time. Observatory time.	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm, Fah.
July *1	921.4	90.1	922.7	923.6	925.	926.2	922.3	90.5	927.9	928.9	930.4	931.2	90.6
3	777.9	77.2	778.7	779.2	780.	780.	780.3	77.2	781.1	781.9	782.9	783.1	77.2
4	758.6	75.	759.5	759.8	760.5	760.5	760.7	75.	761.6	762.3	762.7	762.8	74.9
5	776.6	75.6	776.7	776.7	777.3	777.3	777.6	75.6	778.1	778.3	778.5	778.7	75.6
6	755.6	75.7	757.1	757.8	759.5	760.8	762.2	76.1	763.4	764.5	765.7	766.6	76.3
*7	793.3	78.3	793.4	793.5	793.3	793.4	794.7	78.7	794.7	795.7	796.8	798.4	79.4
*8	827.3	80.7	827.7	829.1	830.2	830.6	831.4	80.8	832.2	832.7	833.3	833.8	81.1
10	831.2	80.9	831.2	†831.	831.9	832.7	833.9	81.2	834.2	835.1	835.1	835.2	81.4
11	748.7	73.1	748.2	748.	748.	747.9	747.3	73.	‡747.4	748.1	747.9	747.3	72.9
12	724.3	72.2	724.6	724.5	724.7	‡725 1	725.3	72.2	726.3	726.4	726.4	726.8	72.2
13	726.3	72.3	726.5	726.3	726.3	726.7	725.9	72.2	727.2	727.4	728.	728.2	72.1
14	775.4	77.7	777.	777.8	778.9	780.	780.8	77.8	782.	783.4	784.7	785.5	77.7
15	817.8	79.3	817.7	817.7	817.9	817.6	817.6	79.2	817.7	817.9	818.3	818.7	79.2
17	774.5	76.5	775.2	775.6	775.7	776.3	776.7	76.7	777.3	777.7	778.2	778.6	76.7
18	862.2	84.7	863.	863.7	864.6	865.4	866.3	85.2	867.5	868.5	869.8	870.6	85.2
19	875.2	84.9	875.4	875.7	876.3	876.6	877.1	84.8	877.6	878.3	878.6	878.7	84.2
20	796.1	78.5	797.3	798.4	799.3	800.4	801.4	78.7	802.3	803.4	804.1	805.3	78.7
21	769.6	77.4	771.3	762.3	773 3	775.2	776 5	†77.8	779.7	781.3	783.1	784.6	78.2
22	798.2	79.2	798.5	801.1	802.3	803.2	803.7	79.5	805 9	806.6	807.4	808.5	79.7
*24	848.9	84.7	851.3	853.2	854.1	855.9	857.	84.7	858.6	860.4	861.7	863.	84.8
*25	829.2	83.5	832.	835.7	838.4	840.8	842.1	83.7	843.7	846.	847.2	848.	83.8
*26	831.9	82.5	832.3	833.2	833.9	835.	836.	82.8	837.	837.5	838.3	839.2	82.7
*27	871.8	87.	873 4	875.	876.4	877.6	878.8	87.3	880.2	881.2	882.3	883.5	87.4
28	919.7	89.8	921.1	922.2	922.8	923.6	924.	†89.9	924.6	926.	927.	928.	90.1
29	927.9	89.3	928.2	928.9	928.9	929.	928.9	89.	929.9	930.9	931.1	931.5	89.
31	773.9	73.4	773.9	774.	773.9	773.9	773.8	73.3	-773.7	773.7	773.7	773.7	73.5
Means	812.1	80.	812.8	813.2	814.4	815.1	815.5	80.1	816.6	817.5	818.2	818.8	80.2
Reduced to 32° Fah.	164.1		164.5	164.6	165.5	166.	166.2		166.9	167.4	167.8	168.1	

* See disturbance observations. † Supplied. ‡ One minute late.

Göttingen time.. Observatory time.	*h. m.* 12 34 6 53½	Therm., Fah.	*h. m.* 12 40 6 59½	*h. m.* 12 46 7 05½	*h. m.* 12 52 7 11½	*h. m.* 12 58 7 17½	*h. m.* 13 04 7 23½	Therm., Fah.	*h. m.* 13 10 7 29½	*h. m.* 13 16 7 35½	*h. m.* 13 22 7 41½	*h. m.* 13 28 7 47½
July *1.....	855.1	80.3	854.8	853.6	853.3	852 7	852.5	80.2	852.3	851.7	851.2	851.4
3.....	808.3	75.9	806.7	805 6	804.4	803.6	802.8	75.6	801.8	801.5	800.3	799.7
4.....	696.	68.	696.2	695.3	695.1	691.3	693.7	68.1	693.3	692.6	692.5	692.2
5.....	729.8	71.	729.9	730.1	730.3	730.2	729.6	71.	730.1	729.7	729.9	729.5
6.....	712.5	69.3	711.7	710 9	709.7	709.	708.2	69.1	707.5	706.5	705.7	704.9
7.....	728.7	70.8	727.9	727.4	726.8	726.4	725.9	70.7	725.7	725.2	725.1	724.5
*8.....	802.8	76.4	802.4	801.8	800.3	800.	799.1	76.5	799.7	799.8	800.	800.
10.....	807.6	77.2	807.3	807.3	807.1	806.9	806.5	77.3	806.3	806.1	806.4	806.8
11.....	803.2	76.4	802.3	801.9	801.2	801.1	800.1	76.4	799.5	798 6	798.	797.8
12.....	707.6	69.7	707.6	707.3	707.5	707.3	707.3	69.7	707.	706.7	706.2	705.8
13.....	715.8	70.3	715.2	715.2	715.4	715.	714.7	70 3	714.7	714.5	713.9	713.9
14.....	712.9	70.2	712.8	712.	712.1	711.9	711.9	70.3	711.9	712.	711.9	711.8
15.....	767.4	74.4	767.4	766.9	766.2	766.1	766.	74.5	765.9	765.7	765.9	765.9
17.....	746.5	73.1	746.3	746.3	746.1	746.1	746.	73.1	745.8	745.7	745.3	745.2
18.....	775.7	76.2	775.8	776.	775.9	775.6	775.8	76.3	774.3	776.	776.2	776.4
19.....	838.8	79.2	838.3	837.8	837.2	836.7	836.3	79.2	835.5	834.9	834.5	834.3
20.....	793.6	75.	792.8	791.6	790.7	789.5	788.7	74.8	788.2	787.5	786.4	785.9
21.....	711.6	68.7	710.8	709.7	709.2	708.6	708.2	68.6	707.6	706.5	706.	705.2
22.....	720.9	69.4	720.3	719.5	719.1	718.2	718.2	69.4	717.1	716.3	715.6	715.2
24.....	802.2	75.7	802.1	801.8	801.5	801.2	801.	75.8	799.3	798.9	798.8	798.7
*25.....	873.1	78.8	871.2	868.2	867.1	868.	867.6	78 6	866.2	865.1	865.3	867.4
*26.....	805.	75.	803.6	802.8	802.7	802.1	801.9	75.	801.3	801.	800.8	800.5
*27.....	811.1	76.5	811.	810.9	810.8	810.5	810.2	76.7	810.1	810.	809.6	809.4
28.....	856.	79.9	854.9	854.	853.5	853.	852.6	80.	852.	851.3	851.	850.
29.....	891.2	83.3	890.9	890.4	890.	889.3	889.	83.4	888.5	888.2	888.	887.9
31.....	803.2	75.	802.5	802.	801.	800.6	799.9	74.9	799.	798.4	797.8	797.2
Means.....	779.9	74.4	779.3	778.7	778.2	777.8	777.4	74.4	776.9	776.8	776.2	776.1
Reduced to 32° F.	207.5		206.9	206.3	206.6	206.4	206.		204.2	203.9	203.9	203.6

	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
July 1	851.7	80.5	851.6	851.2	850.3	850.	850.	80.9	850.4	849.9	849.8	850.	81.2
3	798.6	75.4	797.9	797.8	797.4	796.2	795.5	75.3	795.2	794.9	793.6	793.8	75.3
4	692.	68.	692.1	692.2	691.4	691.5	691.2	68.4	690 9	691.2	691.3	691.4	68.7
5	729.5	70.9	728.5	728.4	727.8	728.	728.1	71.	728.2	728 2	727.7	727.8	71.2
6	704.1	69.	703.6	703.	702.5	702.1	701.9	69.	701.5	701.	701.4	701.	69.1
7	724.	70.6	723 9	724.	723.9	723.2	723.3	70.8	724.5	723.1	723.1	723.1	70.9
*8	799.9	76.6	800.2	800.5	800.2	800.1	799.6	76.7	799.9	798.9	798.9	799.8	76.9
10	804.8	77.4	804.7	804.8	805.2	805.4	805.6	77.5	806.	806.	805.6	805.3	77.6
11	797.3	76.3	796.8	796.4	795.6	794.7	794.9	76.4	794.4	794.1	794.	793.8	76.3
12	705.3	69.7	705.2	704.2	703.6	703.	702.5	69 9	702.	701.3	701.	701.3	70.
13	714.1	70.3	714.3	714.3	714.7	714.8	715.1	70.4	715.1	715.1	714.9	715.	70.5
14	711.7	70 5	710.3	710.3	710.	710.5	711.	71.	711 5	712.1	‡712.8	713.7	71.4
15	765.9	74.7	766.2	766.1	766.1	765.5	766.3	74.8		767.	767.3	766.7	74.9
17	744 6	73.1	744.2	744.3	744.1	744.	743.9	73.3	743.9	744.	744.	744.5	73.4
18	776.8	76.5	776.7	776.8	776.7	776.9	776.6	76.8	776.9	777.1	777.3	777.7	77.
19	833 9	79.3	833.5	832.9	833.	833.	832.3	79.4	832.3	833.1	832.3	832.5	79.8
20	784.9	74.7	784.6	784.	783.6	781.9	781.6	74.6	781.5	781.5	781.4	781.2	74.6
21	704.2	†68.7	703.5	703.2	702.9	702.9	702.6	69.	702 2	702.	701.8	702.2	69.4
22	714.9	69.5	714.3	713.	713.8	713.5	713.9	69.9	713.9	714.	713.9	714.2	70.
24	798.4	76.	798.3	798.4	798.3	798.3	798 5	76.3	798.2	798.5	798.8	798.8	76.5
*25	866.9	†78.6	865.	862.9	861.6	859.7	858.1	78.6	856.9	856.2	854.2	852.9	†78.6
*26	800 1	75.	799.9	798.5	798.3	799.	799.	75.	798.6	798.4	798.1	798.	75.3
*27	809.6	76.9	809.5	809.2	809.1	808.9	809.	77.3	809.	809.2	809.1	809.2	77.6
28	850.3	80.	849.5	849.	848.9	848.4	848.5	80.4	848.1	848.5	848.5	848.7	80.6
29	887.5	83.7	887.5	887.5	887.1	886.9	887.4	83.8	887.7	887.8	888.	887.8	
31	796.5	74.7	795.9	795.5	795.	794.7	794.1	74.5	793.9	793.5	793.3	792.9	
Means	775.7	74.5	775.3	774.9	774.7	774.4	774.2	74.7	774.2	774.1	773 9	774.2	
Reduced to 32° Fah.	202.		201.	200.	199.3	198.5	197.8		197.4	196.9	196.4	196.4	

* See disturbance observations. † Supplied. ‡ One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Aug. 1	565.9	565.5	565.1	565.	565 5	§565.1	565.8	566.6	566.1	566.2
2	565.4	564.9	564.	565.	566.2	565.8	565.9	566.4	§565.9	567.2
3	568.4	567.5	568.2	568.2	567.8	567.4	568.5	569.8	572.4	572.5
4	560.5	555 3	555.9	558.7	561.6	564.6	569.1	569.2	563.4	561.5
5	566.	565.8	566.	566.5	566.1	565.7	565.3	565.7	565.6	565.8
7	567.3	567.5	569.7	567.2	567.1	567.5	568.2	568.	567.3	567.1
*8	564.9	567.1	570.	570.3	568.9	567.3	568.	567.	566.1	565.9
9	553.4	551.6	555.4	560.5	569.	573.2	571.3	569.1	574.9	578.8
†10	531.2	531.8	532.8	532.5	532.4	.....	.....	.....	530.8	531.9
11	543.8	543.8	543.5	543.7	543.6	543.4	543.5	543.8	543.9	543.6
12	544.9	545.7	544.	544.2	544.6	514.8	§545.	544.6	545.2	545.1
14	544.4	544.6	546.4	546.7	547.	547.9	548.1	547.	545.8	545.2
15	548.2	548.	548.9	549.2	549.5	549.6	551.2	550.8	550.6	550.3
16	545.9	545.4	545.5	545.1	545.2	545.4	546.1	546.6	546.9	546.6
17	546.2	545.2	545.5	545.	543.8	545.	544.1	543.8	541.2	540.3
18	549.6	550.9	550.5	549.7	548.2	545.5	545.8	547.7	550.2	§552.7
19	547.5	546.9	546.8	546.2	546.	545.4	545.4	546.1	545.1	545.6
21	545.8	545.	545.7	545.5	545.4	545.9	545.9	546.	546.4	546.2
*22	546.1	546.3	546.3	545.5	545.8	547.	547.	547.1	547.	547.
*23	541.2	541.2	541.	543.9	544.2	547.	546.4	546.5	546.6	545.1
24	533.7	534.	536.9	538.1	540.	540.4	539.9	539.9	538.8	537.5
25	531.9	531.5	532.	532 5	532.2	531.5	531.8	531.9	531.9	531.9
26	534.2	533.	531.3	531.5	532.	533.1	535.6	537.4	535.9	531.
28	534.	534.2	532.6	532.4	533.5	533.9	534.7	534.9	534.4	533.7
29	‡535.	‡535.	534.9	534.9	534.4	534.7	534.9	534.8	534.9	535.3
30	535.7	535.8	535.2	535.7	535.8	535.9	535.9	536.1	537.1	537.1
31	537.	537.5	538.5	538.6	538.6	538.1	537.2	536.5	536.2	537.

time. / r time	h. m. 7 00 1 19½	h. m. 7 06 1 25½	h. m. 7 12 1 31½	h. m. 7 18 1 37½	h. m. 7 24 1 43½	h. m. 7 30 1 49½	7 36 1 55½	7 42 2 01½	7 48 2 07	7 54 2 13½
Aug. 1	566.8	566.3	565.8	566.	566.	565.7	565.4	566.	566.	565.9
2	567.2	566.7	566.9	566.3	566.2	565.8	565.5	‡567.	566.4	566.1
3	572.3	‡574.	574.7	575.7	575.1	575.3	575.2	573.8	‡572.9	572.3
4	559.2	558.1	557.8	558.7	560.4	‖567.6	568.7	‖569.6	569.6	568.7
5	566.1	567.	567.8	568.6	568.8	568.2	568.5	568.9	568.9	567.
7	567.1	566.9	566.8	567.	567.5	567.2	566.7	565.9	565.6	564.4
*8	565.	564.	564.2	564.7	562.6	562.	562.2	562.1	563.1	563.
9	578.3	573.1	570.	569.3	572.	573.3	570.	569.	563.3	560.5
†10	532.	530.9	531.1	530.2	530.	529.1	530.	530.	530.	530.
11	543.9	544.6	545.	545.1	545.1	545.5	545.	545.	545.	545.
12	546.1	546.2	546.1	546.4	545.6	544.6	544.9	545.6	546.4	549.9
14	547.	546.9	547.2	547.8	548.6	549.	548.4	547.9	548.1	547.1
15	549.7	549.5	549.3	548.8				546.9	547.8	547.8
16	546.9	546.9	547.	547.	546.9			546.7	546.5	547.
17	540.	539.1	§538.7	538.8	541.1			545.4	547.1	546.9
18	553.3	553.3	552.1	551.1	549.2			547.6	547.6	548.3
19	545.7	546.	546.2	545.9	545.7			545.5	545.9	545.8
21	546.2	546.5	546.4	546.4	546.8			546.3	546.3	546.
*22	547.4	546.9	547.1	547.7	547.9			548.5	549.9	549.8
*23	544.2	545.	546 8	545.4	544.2			545.5	545.7	547.7
24	537.	536.4	534.	533.7	534.5			537.4	538.8	539.
25	532.1	532.	532.2	532.3	532.6			532.5	533.1	533.8
26	529.3	530.6	532.1	532.3	531.4	528.5		526.	526.9	527.7
28	533.5	532.9	532.8	533.9	534.1	534.5		534.2	533.9	534.3
29	535.1	535.	535.3	535.5	535.1	535.2		535.4		
30	536.9	537.2	537.5	537.5	537.5	537.4		537.		
31	537.2	536.9	537.3	537.1	537.2	537.8		537.8		
Means	549.1	548.8	548.8	548.9	548.9	549.1	548.9	549.	549.1	

* See disturbance observations. † See general note to ordinary observations in July, 1843. ‡ 2*m*. late. § 1*m*. late. ‖ 3*m*. late.

Göttingen time Observatory time	*h. m.* 18 00 12 19½	*h. m.* 18 06 12 25½	*h. m.* 18 12 12 31½	*h. m.* 18 18 12 37½	*h. m.* 18 24 12 43½	*h. m.* 18 30 12 49½	*h. m.* 18 36 12 55½	*h. m.* 18 42 13 01½	*h. m.* 18 48 13 07½	*h. m.* 18 54 13 13½
Aug. 1	558.3	557.7	557.	556.3	555.7	555.2	555.2	555.	554.9	555.
2	554.2	554.1	554.5	554.6	554.6	555.1	555.5	555.7	556.1	556.4
3	555.2	554.5	554.9	555.2	555.	555.1	555.8	555.9	554.8	553.8
4	547.7	551.4	554.3	555.1	555.7	555.8	556.3	555.3	554.4	555.4
5	559.1	558.7	558.9	559.7	559.9	559.	559.2	559.2	559.5	559.4
7	557.3	556.4	556.1	556.	§555.3	555.2	555.1	554.9	554.3	554.4
*8	547.	546.4	546.5	548.	547.4	545.3	546.1	548.5	548.7	550.
9	552.3	551.4	551.8	551.4	551.6	551.6	551.4	551.2	550.2	550.8
10	530.1	531.7	530.3	529.6	529.8	529.7	529.4	529.5	529.7	530.8
11	529.3	529.5	529.6	530.	530.1	530.2	529.8	529.7	§531.2	530.8
12	534.8	534.1	534.2	534.1	533.3	532.8	532.9	532.9	533.1	533.
14	533.2	533.8	533.4	534.1	533.9	534.1	533.9	534.	534.1	533.6
15	537.8	537.6	537.1	537.1	‡536.9	536.7	536.2	537.	537.2	536.9
16	534.1	534.3	533.5	533.9	532.6	532.6	532.7	532.9	532.9	533.
17	530.8	530.1	‡529.	529.2	529.3	529.7	529.4	529.7	530.2	530.
18	535.6	535.6	534.9	534.4	534.2	534.2	534.	534.1	533.8	533.3
19	536.	536.1	536.3	536.1	535.7	535.7	535.4	535.2	535.8	535.8
21	532.	532.	531.9	531.8	531.6	531.5	531.4	531.4	531.5	531.8
22	526.8	526.4	526.6	527.2	527.4	527.8	528.9	528.3	528.6	529.
*23	536.8	535.4	534.1	534.3	532.7	532.3	533.	532.8	534.1	533.8
*24	529.2	528.5	529.2	525.5	526.8	525.4	524.8	525.4	525.9	525.5
†25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	519.5	519.4	519.2	518.8	518.7	518.8	518.8	519.2	519.7	519.6
28	524.7	524.5	524.	523.4	522.5	522.4	522.1	521.8	521.6	521.
29	524.9	524.2	524.1	523.7	523.3	523.5	523.1	523.	522.6	522.5
30	531.7	530.8	530.8	530.1	529.6	529.5	529.2	528.8	528.3	527.8
31	528.9	528.4	528.4	527.6	527.3	527.2	527.4	527.2	526.8	527.2
Means	538.	537.8	537.7	537.6	537.3	537.2	537.2	537.3	537.3	537.2

FIRST MINIMUM OF DECLINATION.

	Göttingen time Observatory time	h. m. 2 00 20 19½	h. m. 2 06 20 25½	h. m. 2 12 20 31½	h. m. 2 18 20 37½	h. m. 2 24 20 43½	h. m. 2 30 20 49½	h. m. 2 36 20 55½	h. m. 2 42 21 01½	h. m. 2 48 21 07½	h. m. 2 54 21 13½
Aug.	1	561.3	561.9	562.1	562.4	562.4	562.5	562.9	562.9	562.6	562.9
	2	562.9	562.	562.4	562.3	562.4	562.2	562.	562.	561.8	561.5
	3	568.6	569.1	568.1	569.	569.7	568.9	571.1	575.9	574.6	577.9
	4	562.1	562.6	563.9	564.	563.5	562.9	562.7	562.6	562.8	562.1
	5	563.5	562.6	562.1	562.8	562.5	562.8	564.	564.7	565.2	565.
	7	561.4	562.4	564.8	567.	567.	566.9	567.2	567.8	567.3	566.7
	*8	588.2	588.5	575.6	572.1	571.8	570.1	571.2	573.6	574.2	569.
	9	561.8	561.8	561.1	561 6	560.8	560.9	562.1	562.	561.1	561.1
	10	541.1	542.1	541.7	541.3	541.8	541.5	541.8	542.3	542.1	542.5
	11	543.5	542.9	542.5	542.5	543.	543.9	545.	546.7	546.5	545.6
	12	553.9	550 4	547.2	546.	545.3	546.7	548.9	549.1	548.	548.
	14	544.	544.1	544.3	544.7	544.8	544.9	545.3	544.8	544.2	544.2
	15	548.2	548.7	549.1	550.7	551.3	551.9	553.3	555.2	555.8	554.7
	16	544.8	545.	546.	547.2	548.	548.9	548.4	547.2	547.1	546.2
	17	546.	545.9	545.8	545.9	545.8	546.	546.1	546.1	546.1	545.9
	18	545.2	545.	545.	545.1	544.7	544.4	544.3	544.4	544.3	544.3
	19	549.1	547.8	546.1	546.3	546.6	546.2	545.5	545.5	545.3	545.5
	21	543.4	543.4	543.7	513.9	544.2	544.	543.9	543.8	543.8	544.
	*22	545.9	546.4	554.6	.....	542.7	563.1	566.4	560.1	557.3	556.
	*23	542.8	541.8	541.1	541.7	540.9	541.4	540.1	541.1	543.8	545.1
	24	532.8	533.1	533.9	533.7	532.5	531.6	531.4	532.5	532.6	532.
	25	533.9	533.8	533.	533.1	533.3	533.9	533.9	535.4	539.6	542.6
	26	538.3	537.9	537.1	538.	539.7	541.7	543.5	544.7	545.	543.3
	28	538.4	537.1	536.9	535.6	535.9	536.9	536.9	537.2	537.	537.2
	29	534.1	534.2	534.3	534.2	534.3	534.5	534.9	534.7	9	.9
	30	534.1	534.1	534.4	534.6	535.1	535.	535.3	536.	2	.7
	31	535.	535.	535.8	535.9	536.8	536.4	536.3	535.8	[illegible].9	[illegible].5
Means		549.	548.9	548.6	548.5	548.4	549.3	549.8	550.2	550.2	549.9

* See disturbance observations.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Aug. 1	563.2	563.2	562.9	562.9	562.9	563.1	563.4	563.8	564.1	564.3
2	562.3	‡561.5	561.1	561.9	561.8	561.8	561.6	562.1	562.6	562.
3	578.	576.4	576.1	574.9	571.7	595.4	604.6	592.3	579.3	574.
4	562.7	562.9	563.	†563.	563.1	563.1	563.	563.3	563.4	562.9
5	565.1	564.	564.	564.3	564.5	565.	566.	†565.9	566.4	568.5
7	†564.1	564.1	564.1	565.5	567.1	568.2	568	568.2	570.5	571.5
*8	562.9	561.7	561.5	565.9	563.7	561.	562.4	562.1	564 2	567.
9	560.8	560.2	559.9	.....	.....	.....	.....	559.2	.....	.....
10	542.6	542.4	542.7	†542.	542.2	542.1	542.1	541.8	541.9	542.
11	545.1	544.8	544.	544.2	544.1	544.	544.1	543.9	544.2	544.1
12	547.9	548.	547.8	546.	545.5	545.8	544.7	544.4	544.9	544 3
14	544.1	544.	544.	544.2	544.1	544.2	544.3	544.6	544.7	†544.7
15	553.2	551.8	548.9	546.9	545.6	545.1	545.8	546.	546.1	546.1
16	546.1	546.2	548.	549.	547.2	547.1	546.3	546.1	546 8	547.1
17	546.1	544.8	545.9	545.9	546.1	515.3	546.7	†550.2	549.6	548.4
18	514.6	546.1	549.3	548.9	548.	549.1	548.4	547.5	547.4	547.3
19	544.9	544.5	544.6	544.5	544.7	544.6	544.9	544.8	544.8	544.1
21	†546.	546.5	546.2	545.9	545.8	545.3	545.1	546.1	548.1	547.9
*22	548.9	549.8	551.4	549.8	546.8	543.8	541.3	544.2	544.	544.9
*23	546.	547.9	549.7	551.6	552.7	554.3	551.7	547.4	545.3	546.
24	532.4	533.1	534.	536.1	536.3	535.2	535.4	534.7	533.3	532.1
25	546.7	549.1	548.8	548.1	547.2	547.8	546 5	546.9	546.1	545.3
26	542.1	545.1	544.7	542.9	541.	539.7	538.4	538.1	537.3	536.6
28	537.4	538.	538.1	537.	536.9	536.1	536.6	538.2	539.6	539.3
29	534.8	534.8	535.2	534.7	535.	535.	535.	534.8	534.9	534.7
30	535.	535.3	535.	534.9	535.	534.9	535.1	†535.	535.3	535.1
31	535.3	535.4	535.6	536.3	536.7	536.9	537.1	538.1	538.5	538.8
Means	549.6	549.7	550.	549.8	549.5	550.2	550.4	550.	549.7	549.6

* See disturbance observations.

† One minute late.

‡ Two minutes late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Aug. 1	579.7	581.1	580.7	581.5	581.4	581.1	581.5	581.4	581.7	581.8
2	572.8	572.9	572.8	572.3	572.7	572.8	573.6	572.7	572.8	572.5
3	576.1	576.9	577.1	577.9	577.9	578.	578.	578.2	578.2	577.8
4	572.7	572.4	572.3	573.7	572.7	576.	575.9	574.1	571.1	572.8
5	574.9	576.6	575.8	577.2	575.8	574.3	574.5	573.5	574.7	574.6
7	575.9	575.3	575.4	573.7	572.8	572.8	571.2	570.3	569.7	570.
*8	580.6	580.9	580.4	580.	580.1	580.2	577.3	576.8	576.	576.1
9	580.	580.2	579.1	579.	577.	576.3	575.7	575.8	573.8	572.9
10	524.	524.1	524.2	524.4	524.5	524.7	524.6	524.6	524.8	524.9
11	560.	560.	559.6	559.3	558.7	557.6	559.1	559.	556.	552.8
12	558.	558.7	559.2	559.4	559.7	560.	559.	557.2	557.5	557.5
14	558.1	558.8	558.9	558.9	558.6	558.8	558.6	559.	559.6	558.5
15	558.7	558.8	558 9	558.5	558.5	560.2	558.9	558.3	558.8	558.6
16	557.6	558.8	558.1	558.8	558.6	558.	557.9	558.	558.1	557.4
17	555.9	555.7	555.8	556.3	556.8	557.	557.1	557.1	557.	556.8
18	558.	558.2	558.8	559.	558.7	558.4	557.	556.9	557.2	557.3
19	562.	561.9	562.3	561.9	562.2	561.6	562.2	561.9	561.9	560.8
21	560.	560.3	560.	559.5	558.9	558.	557.8	557.4	557.	556.4
*22	553.8	556.3	554.	557.	560.4	561.5	548.7	555.7	555.6	550.
*23	555.4	554.2	554.4	554.1	556.9	554.	[illegible]	555.6	554.	555.2
24	550.	551.7	551.3	551.2	550.9	551.	[illegible]	549.	550.5	550.4
25	543.9	543.1	543.9	544.9	544.5	544.	[illegible]	542.3	541.4	541.1
26	547.2	548.5	550.4	552.1	551.5	551.2	[illegible]	550.2	54[illegible]	[illegible]
28	551.9	552.2	551.9	552.	551.9	552.2	[illegible]	551.2	55[illegible]	[illegible]
29	548.9	549.1	549.6	549 3	549.6	549.8	[illegible]	549.7	5[illegible]	[illegible]
30	545.3	545.3	546.3	546.9	546.1	546.3	[illegible]	546.1	[illegible]	[illegible]
31	543.7	545.	545.1	544.9	545.2	545.1	[illegible]	542.7	[illegible]	[illegible]
Means	559.4	559.2	559.9	560.1	560.1	[illegible]	[illegible]	559.1	558.8	[illegible]

* See disturbance observations.

Göttingen time Observatory time	*h. m.* 11 32 5 51½	Therm., Fah.	*h. m.* 11 38 5 57½	*h. m.* 11 44 6 03½	*h. m.* 11 50 6 09½	*h. m.* 11 56 6 15½	*h. m.* 12 02 6 21½	Therm., Fah.	*h. m.* 12 08 6 27½	*h. m.* 12 14 6 33½	*h. m.* 12 20 6 39½	*h. m.* 12 26 6 45½	Therm., Fah.
Aug. 1	927.	68.7	927.1	926.5	927.1	927.4	926.7	68.7	926.9	927.2	928.	930.3	68.5
2	934.8	69.9	935.3	934.9	935.	934.3	934.6	69.6	934.7	†935.8	935.7	937.6	69.5
3	943.8	71.9	943.	943.1	944.6	945.6	946.	71.7	946.8	947.1	946.3	946.4	71.5
4	930.1	72.5	928.6	932.4	943.6	956.2	962.2	72.3	963.7	958.2	954.1	952.1	72.1
5	948.3	72.8	948.8	946.4	948.9	947.4	947.3	72.6	946.4	947.9	948.2	948.	72.4
7	948.6	73.7	950.1	949.5	948.3	947.4	947.5	73.5	946.5	947.3	948.6	948.7	73.3
*8	963.7	78.1	956.8	963.2	961.1	964.7	964.7	78.	964.7	964.1	962.8	964.6	78.
9	975.2	77.7	974.6	973.2	977.3	974.6	974.5	77.3	977.2	978.1	979.2	981.6	77.
10	932.3	71.2	931.5	932.4	931.8	931.5	932.8	71.	933.6	933.7	934.	936.5	‡71.
11	915.2	71.4	915.5	917.1	914.3	915.6	915.5	71.3	913.5	916.3	916.7	918.9	71.2
12	924.9	72.5	922.5	923.5	923.	921.8	922.3	72.3	924.5	925.9	927.5	928.4	72.2
14	942.4	75.	941.7	942.	941.4	941.4	940.1	74.9	940.7	942.1	941.9	941.2	75.
15	938.	75.9	938.4	939.7	936.4	938.5	941.8	75.8	942.9	945.4	945.7	948.3	75.8
16	935.1	73.6	934.5	933.8	933.8	933.4	933.4	73.5	932.7	933.3	933.7	933.2	73.4
17	930.2	74.2	929.7	929.2	928.8	928.9	929.2	73.8	929.4	928.9	929.2	929.	73.7
18	931.4	76.7	931.4	931.8	930.9	931.3	929.6	76.5	929.9	928.8	930.	929.7	76.4
19	943.1	78.3	945.2	945.2	943.8	943.9	942.6	78.1	944.3	943.3	942.9	943.	77.9
21	950.9	76.6	950.9	951.	950.	949.8	949.6	76.4	949.5	950.7	953.4	953.5	76.2
*22	936.5	76.7	932.6	931.7	934.4	937.5	931.6	76.4	932.5	935.1	932.1	933.8	76.2
*23	960.6	77.4	959.2	961.	964.4	965.	962.1	77.2	963.1	962.4	962.	961.2	77.
24	963.	73.8	964.1	964.2	962.4	960.4	962.	73.7	961.5	957.9	957.1	958.2	73.6
25	942.8	73.7	941.9	941.8	943.4	943.7	941.7	73.6	941.9	942.1	942.7	944.8	73.5
26	965.3	76.3	969.8	968.1	969.2	968.2	964.2	76.1	964.	962.2	961.8	960.7	76.
28	964.	78.3	962.8	962.6	962.9	962.4	962.3	77.9	961.	962.	962.4	961.2	77.9
29	954.8	76.6	955.1	954.6	953.8	954.	953.9	76.6	953.4	952.9	953.2	953.9	76.6
30	950.4	75.8	950.	949.	948.7	949.3	948.9	75.7	948.9	948.6	947.8	947.9	75.7
31	966.	79.	964.4	964.1	961.6	962.7	962.3	78.9	961.6	961.6	963.4	962.7	79.1
Means	945.1	74.8	944.8	944.9	945.2	945.8	945.5	74.6	945.8	945.9	945.9	946.5	74.5

Göttingen time.. Observatory time.	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
Aug. 1.....	907.	73.8	904.	903.9	905.3	904.3	903.9	74.2	905.4	904.8	906.1	908.5
2.....	923.8	76.	924.	925.9	927.4	927.4	928.3	76.5	927.	926.2	928.3	931.4
3.....	935.5	77.2	940.6	939.7	932.2	920.9	915.7	77.8	915.4	923.7	938.6	942.2
4.....	944.9	77.9	948.8	950.8	951.4	952.3	949.8	78.3	949.5	948.8	952.4	967.6
5.....	951.2	73.5	951.6	952.9	953.5	950.7	952.	73.5	950.9	949.6	951.9	950.8
7.....	952.8	78.6	952.8	952.2	957.9	960.1	958.7	79.1	960.7	961.3	963.	962.
*8.....	1004.5	83.8	996.6	990.9	987.2	985.8	981.8	83.7	984.1	986.7	988.8	988.1
9.....	947.8	74.4	950.5	945.7	941.7	939.3	938.3	74.4	938.6	936.7	934.9	932.
10.....	931.2	73.4	929.4	929.8	929.9	930.5	927.8	73.4	926.9	926.5	928.4	927.7
11.....	917.9	75.9	907.8	918.2	922.	923.	924.4	76.4	913.9	920.6	918.9	916.3
12.....	935.2	77.4	936.6	935.2	935.7	931.7	935.5	78.	937.3	938.1	936.7	930.7
14.....	958.5	81.1	955.4	957.2	948.	952.9	948.7	81.4	947.3	946.5	949.7	951.1
15.....	953.8	79.6	954.9	955.	954.5	954.5	954.2	79.9	953.7	953.4	950.5	948.3
16.....	934.	78.3	932.5	929.8	929.9	932.6	932.2	78.8	931.7	933.4	932.9	934.1
17.....	932.5	80.1	932.4	936.1	933.4	931.8	931.3	80.5	928.7	926 2	929.7	933.8
18.....	932.5	83.	934.4	934.8	934.5	934.2	934.4	83.2	933.9	934.5	935.2	936.8
19.....	958.2	80.7	960.9	959.8	960.2	959.6	961.5	80.9	964.3	966.9	967 1	966.6
21.....	940.2	79.8	939.2	941.4	941.2	942.8	945.2	80.	944.8	†946.	946.	945.9
*22.....	965.2	79.5	961.1	957.	964.7	953.4	954.4	79.9	944.3	943.5	943.7	916.
*23.....	961.6	78.	966.8	951.4	957.6	961.7	950.9	78.3	955.8	961.4	957.9	957.3
24.....	953.2	77.2	953.5	954.1	953.8	919.1	949.3	77.6	956.2	960.4	957.	957.9
25.....	933.4	79.5	937.8	936.9	944.3	948.	947.1	79.9	943.5	941.8	939.4	940.3
26.....	962.4	81.8	965.9	956.6	952.5	953.4	956.7	82.5	957.1	955.2	958.1	959.2
28.....	†985.3	80.2	983.5	986.9	979.3	978.4	978.1	80.6	977.1	976.2	974.4	974.8
29.....	955.3	79.6	956.4	956.	955.3	955.3	955.4	80.	953.2	953.2	952.9	953.1
30.....	955.6	83.	953.1	952.2	952.7	950.3	949.9	83.3	950.2	950.5	951.3	951.7
31.....	969.2	85.6	970.4	969.1	968.1	968.8	969 9	85.6	970.4	971.3	971.	969.6
Means.....	948.2	78.8	948.2	947.1	947.2	946.4	945.8	79.2	945.5	946.1	946.8	946.4
Reduced to 32° F.	840.6		840.4	839.1	839.	838.	837.2		836.9	837.5	838.1	837.7

* See disturbance observations.

† One minute late.

Göttingen time Observatory time	*h. m.* 22 02 16 21½	Therm., Fah.	*h. m.* 22 08 16 27½	*h. m.* 22 14 16 33½	*h. m.* 22 20 16 39½	*h. m.* 22 26 16 45½	*h. m.* 22 32 16 51½	Therm., Fah.	*h. m.* 22 38 16 57½	*h. m.* 22 44 17 03½	*h. m.* 22 50 17 09½	*h. m.* 22 56 17 15½	Therm., Fah.
Aug. 1	909.4	74.4	913.5	914.8	919.4	917.7	920.1	74.9	919.8	923.6	925.5	929.	75.2
2	931 3	76.7	932.4	931.4	935.4	934.9	936.4	77.1	939.5	940.3	941.9	941.9	77.4
3	945.	77.3	943.7	938.4	932.6	931.6	933.	77.7	938.1	938.	940.5	934.4	78.9
4	955.3	78.3	943.2	940.1	939.7	951.7	953.9	78.7	961.2	958.2	965.	971.4	78.8
5	950.4	73.3	952.8	953.2	949.	944.1	943.3	73.7	945.5	948.5	947.7	943.	73.6
7	960.7	79.4	960.5	961.1	†962.	962.8	961.1	80.1	959.7	956.5	953.7	952.8	80.3
*8	984.6	83.3	982.6	981.2	978 8	972.7	979.1	83.3	982.8	981.9	980.	980.5	83.3
9	931.3	74.2	931.1	931.9	931.	930.3	933.1	74.3	932.1	930.1	927.2	927.2	74.3
10	926.8	73.3	925.7	927.2	927.9	927.1	927.4	73.4	926.6	927.	927.	925.8	73.4
11	910.4	76.8	920.7	930.	930.8	937.5	937.	77.3	937.	939.3	938.1	937.	77.7
12	932.9	78.3	936.3	935.8	936.1	929.7	932.1	78.8	935.3	933 3	933.8	940.8	79.1
14	954.4	81.5	958.	960.3	959.3	959.7	959.4	82.1	959.8	954.5	951.	952.8	82.4
15	946.5	80.1	940.3	942.8	942.6	943.5	945.8	80.6	945.9	947.1	944.5	944.1	80.9
16	930.9	79.4	932.9	933.6	933.5	933.9	933.4	80.	934.2	934.5	933.4	934.5	80.4
17	937.8	80.9	941.1	940.9	942.	941.7	941.	81.4	941.1	941.3	937.3	938.9	†81.8
18	938.1	83.7	939.	939.4	941.3	942.	914.5	83.9	943.9	943.1	943.	944.4	84.3
19	964.4	80.9	963.2	960.3	960.	964.2	968.1	81.3	962.6	963.8	961.	959.9	†81.5
21	943.6	80.1	915.2	945.3	944.	944.4	943.8	80.4	945.6	945.5	946.9	948.4	80.5
*22	923.	79.8	950.	963.7	966.5	968.6	962.4	80.2	957.2	955.7	945.9	943.6	†80.6
*23	968.	78.4	980.4	985.9	989.8	†991.5	993.	78.8	984.8	979.5	978.7	981.1	†79.2
24	958.3	78.1	949.4	954.5	963.	958.	957.9	78.7	957.	957.2	954.8	957.	78.9
25	942.6	80.2	939.	938.7	939.7	948.1	951.3	81.	960.4	956.4	953.4	956.	81.7
26	961.9	82.7	963.4	964.	968.5	969.1	971.1	83.4	971.1	975.	977.1	977.9	83.7
28	974.6	80.9	974.2	976.6	975.8	975.1	976.6	81.2	970.9	969.8	973.1	971.8	81.4
29	951.9	80.4	952.7	953.	953.2	953.1	953.7	80.6	953.5	953.8	957.2	955.3	80.8
30	954.4	83.6	957.6	958.1	958.1	958.8	959.8	84.2	962.2	963.7	964.6	966.6	84.6
31	969.5	85.5	966.	965.4	969.2	964.7	966.9	85.8	969.	968.2	970.2	970.7	85.9
Means	946.6	79.3	948.	949.2	948.5	948.7	951.3	79.7	951.7	951.3	950.8	951.4	80.

	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
Aug. 1	†946.	75.9	945.5	943.6	944.5	945.5	944.4	75.8	947.6	946.6	947.1	948.1
2	948.7	77.2	947.5	947.8	947.9	947.8	950.7	77.1	951.7	949.8	949.9	948.7
3	936.1	78.3	939.7	941.3	946.4	952.4	957.5	78.	958.3	958.3	954.3	959.
4	960.8	78.7	967.5	966.1	968.3	969.7	969.5	78.4	966.2	961.2	963.2	962.6
5	952.8	74.	953.1	957.3	954.8	952.9	952.7	74.5	952.1	953.6	954.7	951.8
7	960.2	81.3	955.9	960.4	960.1	958.9	961.8	81.3	964 9	967.5	968.6	969.2
*8	1003.4	82.3	998.	960.8	943.3	968.	977.3	‡82.1	974.5	988.7	1016.4	1015.1
9	942.6	74.4	946.8	943.9	948.9	946.7	947.6	74.4	947.	942.5	941.1	942.6
10	922.7	73.	922.9	924.7	925.8	924.2	923.3	72.9	926.4	924.	921.8	925.4
11	933 8	77.9	†937.2	939.7	940.8	939.1	938.2	77.6	940.	939.3	936.1	937.
12	962.5	79.7	963.8	962.	956.6	947.9	938.5	79.6	932.3	928.	927.6	934.4
14	951.8	81.8	953.1	955.3	957.8	959.7	958.3	81.5	957.1	957.6	§956.9	956.8
15	949.	80.6	947.3	945.7	946.3	944.5	946.2	80.5	946.7	948.5	948.5	946.8
16	942.6	81.	943.7	944.6	944.7	946.2	944.7	80.8	946.5	948.	947.5	950.
17	955 9	82.3	954.9	956.1	955.3	954.9	956.	82.	955.5	956.6	957.1	957.4
18	959.9	84.	959.8	959.6	959.2	959.8	959.5	83.7	961.1	961.1	963.2	961.5
19	953.7	81.7	952.2	951.7	952.3	953.5	955.	80.8	956.1	957.	957.4	959.5
21	955.9	79.1	955.4	955.	955.2	954.6	954.3	79.2	955.4	954.7	†954.9	955.
*22	1018.8	81.	1026.6	1032.1	1029.	1026.	1025.3	81.	1015.7	1022.6	1030.2	1031.
*23	968.9	79.3	951.8	946.	946.4	951 4	954.9	79.	939.	939.5	943.7	947.4
24	960.5	79.3	958.1	959.1	961.8	957.2	956.9	79.2	958.2	957.2	955.1	955.7
25	973.5	82.6	977.9	978.7	977.5	975.3	972.5	82.5	971.6	971.1	969.	967.7
26	976.2	83.4	977.8	981.8	981.7	978.2	978.3	83.1	977.3	979.6	976.5	976.5
28	977.1	80.9	978 5	979.6	980.6	981.1	981.6	80.6	981 9	981.8	981.	979.9
29	962.3	78.7	961.4	959.6	959.8	959.2	959.3	78.6	959.2	960.3	960.	959.9
30	974.	84.2	973.6	974.2	973.6	974.2	974.8	84.1	975.1	976.7	977.	977.9
31	985.4	84.	982.7	981.9	979.7	981.	981.7	83.8	980.9	981.8	980.9	981.3
Means	960.5	79.9	960.5	958.5	959.2	959.6	960.	79.7	959.2	959.8	960.8	961.4
Reduced to 32° F.	850.3		850.4	848.5	849.3	849.8	850.3		849.5	850.1	851.2	851.8

* See disturbance observations. † One minute late. ‡ Supplied. § Two minutes late.

Göttingen time..... Observatory time.....	*h. m.* 2 02 20 21½	Therm., Fah.	*h. m.* 2 08 20 27½	*h. m.* 2 14 20 33½	*h. m.* 2 20 20 39½	*h. m.* 2 26 20 45½	*h. m.* 2 32 20 51½	Therm., Fah.	*h. m.* 2 38 20 57½	*h. m.* 2 44 21 03½	*h. m.* 2 50 21 09½	*h. m.* 2 56 21 15½	Therm., Fah.
Aug. 1.....	945.5	75.6	945.1	944.8	944.3	943.4	942 3	75.5	943.4	943.3	943.	944.3	75.3
2.....	948.9	77.	948.4	946.7	946.2	946.1	946.9	77.	947.2	916.4	946.8	917.2	76.9
3.....	959.9	77.9	964.1	970.4	980.3	984.4	994.1	77.6	998.5	997.6	1000.7	998.9	77.6
4.....	965.5	78.3	969.3	971.1	971.5	970.9	970.3	78.	968.4	966.9	965.9	965.3	77.8
5.....	951.1	74.8	954.6	958.2	954.4	955.4	956.5	75.	957.1	957 6	957.	960.4	75.2
7.....	966.6	81.2	965.	962.7	963.8	968.4	972.4	81.1	974.9	976.4	980.4	981.9	81.1
*8.....	988.1	81.8	974.1	971.	†974.	977.4	981.	81.6	986.	983.	978.7	982.8	81.6
9.....	943.8	74.3	942.9	944.2	944.8	947.1	945.8	74.3	947.1	943.7	947.	948.	74.2
10.....	930.8	72.9	930.8	929.6	928.9	928.7	927.4	72.9	937.9	926.3	927.3	926.8	72.9
11.....	936.2	77.4	933.8	934.3	934.	934.4	934.5	77.3	934.4	932.3	933 1	933.3	77.2
12.....	939.2	79.4	945.7	950.9	954.3	956.	955.8	79.3	954.2	949.5	949.4	949.7	†79.2
14.....	955.	81.3	954.	954.7	955.8	955.8	956.1	81.1	955.5	956.6	958.1	956.1	81.
15.....	942.3	80.3	943.7	941.1	940.3	938.9	942.5	80.1	946.1	944.7	945.2	946 1	80.
16.....	952.8	80.4	953.5	954.4	951.9	954.9	956.	80.	957.5	957.4	956.3	953.4	79.8
7.....	957.4	81.8	957.1	958.2	958.6	957.8	958.7	81.6	960.6	957.6	955.5	957.6	81.4
8.....	961.4	83.6	961.1	961.8	962.9	962.6	963.3	83.3	963.3	963.2	963.4	963.8	83.2
19.....	961.8	80.7	963.4	966.	964.9	961.7	960.	80.6	959.3	957.4	955.	955.5	80.6
21.....	954.	79.2	954.	954.9	955.1	954.9	954.6	79.3	955.5	955.3	954.5	957.	79.3
*22.....	1041.9	81.	1047.4	999.9	1020.	1043.3	1013.2	80.9	999.6	994.7	995.4	990.5	80.8
*23.....	955.6	78.9	951.8	955.1	958.7	964.7	968.6	78.7	972.9	969.2	970.	967.9	78.5
24.....	956.1	79.	957.6	962.2	963.8	965.3	968.4	79.	964.7	962.4	963.4	962.2	78.9
25.....	965.3	82.4	965.7	965.3	966.5	963.9	962.3	82.3	962.2	966.6	973.	977.7	82.
26.....	974.9	82.8	972.5	976.9	978.5	978.7	977.9	82.6	974.9	974.9	975.9	978.	82.4
28.....	979.5	80.5	979.1	977.7	974.9	972.7	969.3	80.4	970.2	971.1	971.	972.5	80.2
29.....	959.8	78.6	959.9	959.5	959.7	959.6	959.3	78.6	958.5	958.5	958.5	958.6	78.5
30.....	978.2	84.	979.	978.1	978.9	977.5	977.5	83.9	976.4	976.7	977.2	978.2	83.8
31.....	980.8	83.6	981.7	983.2	984.4	985.7	985.2	83.6	985.7	986.6	985.4	986.8	83.4
Means.....	961.2	79.6	961.3	960.5	960.9	963.3	963.	79.5	963.	962.1	962.5	962.6	79.4

August.]

SECOND MINIMUM OF HORIZONTAL FORCE.

Göttingen time.. Observatory time.	h. m. 15 22 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Aug. 1	944.6	69.5	944.8	943.8	945.2	945.9	946.6	69.9	947.2	948.7	947.1	945.
2	976 9	70.2	976.3	976.	973.8	973.2	971.1	70.6	969.9	969.8	969.8	968.8
3	916.5	72.	946.	945.7	944.1	946.2	960.8	72.4	948.2	948.1	947.2	946.2
4	976.	73.1	968.7	966.8	974.3	979.3	975.2	73.4	976.8	973.8	973.7	974.
5	975.9	72.3	972 3	975.5	976.5	974 4	971.8	72.3	968.6	970.5	971.1	966.6
7	959.7	§73.5	958.	956.3	954.8	954.1	951.9	73.9	950.7	949.9	948.5	945.6
*8	985.7	79.6	986.1	987.4	984.5	983.2	983.9	79.9	984.5	984.5	987.2	987.7
9	1013.	76.1	1011.4	1011.1	1010 9	1008.2	1008.3	75.9	1007.7	1010.9	1010.8	1009.9
10	981.1	72.	981.9	976.2	975.8	985.6	979.4	72.2	981.2	980.6	977.8	978.9
11	981.1	72.3	972.8	970.3	968.4	968.	967.2	72.4	963.5	962.2	959.5	956.4
12	951.8	73.3	950.1	951.8	952.3	949.4	949.9	73.4	949.1	948.7	947.2	948.4
14	970.2	76.7	972.5	974.7	977.6	977.8	976.5	77.	978.3	978.8	978.4	977.2
15	977.2	76.9	976.1	977.9	†979.1	977.1	978.	77.	979.5	981.3	981.9	982.9
16	966.6	74.3	968.2	968.8	968.9	968.6	968.6	74.3	972.3	973.3	974.4	972.
17	956.5	75.4	956.2	956.7	957.3	957.6	956.7	75.7	957.6	957.9	957.3	†953.
18	†956.6	78.2	954.2	955.7	955.	956.9	955.8	78.5	955.3	953.1	955.8	956.6
19	966.4	78.4	964.6	964.8	965.5	966.5	967.1	78.7	964.6	965.2	963 8	961.1
21	980.2	76.1	986.4	982.9	983.6	983.7	980.	76.2	980.9	979.4	979.7	978.8
*22	976.3	75.9	991.1	991.	990.5	970.1	981.3	76.	976.3	976.5	975.4	974.3
*23	999 9	76.1	994 6	993.5	995.5	986.6	986.2	76.2	984.3	986.	983.9	983.4
24	971.8	73.1	971.	968.9	970.3	971.4	972.	73.1	971.3	972.5	969.5	963.8
25	‡972.5	75.1	974.2	975.7	976.7	977.	973.9	75.3	973.5	973.7	971.6	971.7
26	1003.6	76.9	1004.7	1004.6	1005.6	1006.9	1006.	77.1	1004.7	1002.5	1001.8	1002.
28	1010.	77.9	1012.	1011.2	1012.	1010.7	1009.9	77.9	1010.5	†1012.1	1011.	1011.
29	988.7	75.9	999.2	998.8	998.1	997.2	997.2	76.	996.1	996.7	994.4	996.1
30	978.9	77.6	979.2	980.6	979.9	980.5	980.6	78.	980.3	979.8	978.4	980.1
31	987.3	§79.8	986.9	989.4	981.8	986.7	990.5	81.2	†987.1	985.7	980.9	987.2
Means	976.1	75.1	976.3	976.2	976.6	976.1	975.4	75.4	974.8	974.5	973.8	973.1
Reduced to 32° F.	877.		877.	876.7	877.	876.4	875.6		874.9	874.5	873.7	872.9

* See disturbance observations. † One minute late. ‡ Two minutes late. § Supplied.

Göttingen time Observatory time	*h. m.* 16 32 10 51½	Therm., Fah.	*h. m.* 16 38 10 57½	*h. m.* 16 44 11 03½	*h. m.* 16 50 11 09½	*h. m.* 16 56 11 15½	*h. m.* 17 02 11 21½	Therm., Fah.	*h. m.* 17 08 11 27½	*h. m.* 17 14 11 33½	*h. m.* 17 20 11 39½	*h. m.* 17 26 11 45½	Therm., Fah.
Aug. 1	945.2	70.3	945.2	945.8	944.7	943.6	943.5	70.7	945.5	945.6	946.7	946.1	71.
2	966.4	71.1	964.4	961.7	959.7	957.	953.3	71.6	952.	948.9	947.4	944.5	72.
3	947.4	72.7	944.9	946.	946.9	946.6	943.4	73.1	940.5	940.4	943.2	943.4	73.5
4	970.7	73.9	973.7	974.1	972.1	970.8	973.3	74.3	975.9	978.8	986.8	990.3	74.5
5	976.4	72.4	974.6	971.6	969.1	968.5	967.6	72.4	963.1	962.6	958.7	960.	72.6
7	945.	74.2	944.2	940.1	941.1	939.2	939.3	74.6	939.	940.4	939.9	937.8	74.9
*8	991.3	80.2	995.1	994.7	994.9	988.6	990.	80.8	990.4	981.5	997.5	998.6	81.
9	1009.7	75.7	1007.	1009.1	1007.7	1009.5	1011.1	75.5	1007.	1007.4	1005.3	§1006.	75.4
10	973.4	72.4	974.8	974.9	968.7	968.	968.1	72.5	963.1	965.4	965.	957.8	72.7
11	955.3	72.7	954.2	952.8	953.5	†952.9	952.7	73.	952.8	952.5	955.8	953.8	73.3
12	949.4	73.7	947.2	946.7	948.1	†951.4	949.5	74.1	948.9	950.3	950.9	951.2	74.5
14	977.3	77.4	978.	979.5	979.7	980.	979.7	77.8	980.	977.1	976.9	976.9	78.
15	985.3	77.3	985.	984.1	984.6	984.3	984.3	77.6	982.5	982.4	980.9	979.9	77.8
16	971.5	74.6	968.	965.4	967.8	968.8	971.7	74.9	970.6	971.5	969.6	967.6	75.3
17	955.2	76.	954.8	955.5	956.2	953.9	954.	76.5	953.5	953.9	952.9	951.	76.9
18	959.6	78.9	961.5	960.4	956.	956.4	§956.8	79.5	956.5	955.8	955.1	954.5	79.8
19	963.6	78.9	963.1	959.9	959.6	959.6	961.2	79.3	960.9	960.1	959.3	958.3	79.6
21	976.7	‡76.5	977.4	976.4	976.2	975.	974.3	77.	973.7	971.9	972.	971.4	77.3
*22	976.4	76.1	977.8	970.8	975.	968.7	971.	76.4	972.9	976.	983.4	989.2	76.9
*23	977.7	76.2	979.1	979.1	980.9	980.9	982.1	76.4	987.8	985.4	990.6	983.	76.6
24	962.7	73.4	962.3	961.6	960.5	957.9	957.4	73.9	957.3	955.7	951.8	949.5	74.1
25	970.	75.5	966.9	969.1	968.7	963.9	964.6	75.9	§962.6	963.5	963.4	965.3	76.3
26	1002.4	77.4	1002.2	1000.8	998.5	996.4	995 5	78.	994.2	992.6	991.9	988.5	78.5
28	1010.	77.9	1009.6	1009.	1010.1	1010.4	1007.3	78.	1008.8	1008.8	1009.1	§1008.5	78.3
29	994.2	76.5	995.3	996.2	995.	992.9	991.	76.8	990.6	988.6	988.1	987.9	77.2
30	980.6	78.2	980 5	980.2	980.3	979.9	980.5	78.7	980.2	979.5	978.4	975.5	79.2
31	†986.1	81.6	984.9	985.1	984.2	981.8	981.2	82.1	980.6	982.2	981.	980.8	82.5

Göttingen time... / Observatory time.	h. m. 22 04 16 23½	Therm. Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm. Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Aug. 1.....	750.9	75.2	751.9	753.	753.6	754.6	755.1	75.2	755.8	756.4	759.4	758.
2.....	773.1	77.3	773.9	775.1	776.3	777.2	778.4	77.7	779 6	780.9	782.	777 8
3.....	788.1	78.8	788.9	789.6	789.6	789.7	790.3	79.5	791.8	793.2	794.9	796.
4.....	793.2	79.	793.	793.6	794.	795.7	796.3	79.	796.7	797.4	797.7	798.
5.....	747.	73.7	747.	747.	747.1	747.	747.2	73.8	747.2	747.6	748.	748.
7.....	789.7	79.7	791.3	792.4	793.5	794.8	796.	80.	797.1	798.	799.1	800.
*8.....	853.1	83.3	853.8	854.1	854.9	855.2	855.9	83.3	856.5	857.3	857.9	858.1
9.....	764.1	74.9	764.	763.8	763.6	763.2	763.	74.9	762.9	763.9	762.8	762.6
†10.....	.....	73.5	.....	.....	.....	.....	.....	73.5	.....	.....	.....	.....
11.....	785.5	77.8	787.	788.2	789.3	790.9	791.9	78.1	793.	794.9	795.5	796.7
12.....	802.6	78.9	803.5	804.8	805.3	806.2	807.	79.	808.	808.6	808.9	811.
14.....	849.1	82.1	850.	851.1	851.9	852.8	853.8	81.3	854.9	855.4	856.1	856.9
15.....	840.2	81.2	840.5	841.3	841.7	842.3	842.7	81.2	843.4	844 4	845.2	845.6
16.....	823.7	80.4	825.5	826.6	827.8	828.8	830.3	80.4	831.2	832.3	832.8	833.8
17.....	837.4	81.4	838.3	840.3	840.7	841.5	842.4	81.4	843.3	843.8	844.6	845.2
18.....	870.3	83.7	870.8	871.7	872.5	873.7	874.8	84.2	876.3	877.3	878.4	879.5
19.....	856.8	81.1	856.8	857.2	857.4	857.4	857.9	81.2	858.2	858.4	858.4	858.5
21.....	837.3	80.2	837.6	837 8	838.3	838.8	840.1	80.4	840.3	840.7	841.3	841.7
*22.....	841.7	80.2	843.8	845.3	846.7	847.C	848.	‡80.3	848.6	850.	850.	850.7
*23.....	839.5	79.	‡838.6	837.8	837.4	‡837.	837.	79.4	838.4	838.4	837.8	‡838.5
24.....	‡818.	‡78.7	‡819.	819.7	820.7	821.4	821.7	79.3	822.7	823.7	824.8	825.7
25.....	844.3	81.2	844.7	845.2	845.8	846.7	847.7	81.7	848.7	850.1	850.8	852.6
26.....	852.8	83.4	853.7	855 3	856.8	858.7	860.6	83.8	861.7	863.4	865.3	866.7
28.....	846.6	81.1	847.2	847.5	847.8	848.6	849.1	81.2	849.4	850.1	850.6	851.3
29.....	845.2	81.4	841.6	846.9	847.4	847.6	848.3	81.4	848.8	850.2	851.2	851.7
30.....	872.7	84.2	874.	875.3	876.3	877.5	878.7	84.6	880.	882.3	883.3	885.
31.....	916.2	85.6	916.3	916.4	916.8	917.1	917.5	86.2	918.2	918.7	919.4	920.2
Means.....	822.1	79.9	822.6	823.5	824.2	824.8	826.	80.1	826.3	827.2	827.9	837.7
Reduced to 32° F.	175.5		175.5	175.7	175.9	176.	176 7		176.4	176.7	176.9	176.2

* See disturbance observations. † Spider web attached to mirror of instrument. ‡ Supplied.

MINIMUM OF VERTICAL FORCE.

	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Aug. 1	747.9	69.7	747.7	747.4	747.1	747.1	746.8	69.6	746.2	746.	745.7	745.3
2	723.8	†70.5	722.9	722.3	721.7	720 8	720.2	70.4	719.6	719.	718.7	718.2
3	750.9	72.4	750.4	749.9	749.7	749.3	749.	72.3	748.9	748.5	748.2	747.7
4	768.4	73.2	768.2	768.1	768.1	768.5	768.2	73.2	767.8	767.3	766.	765.8
5	762.1	73.3	761.7	761.1	760.8	760.1	759.5	73.2	759.	758.5	757.8	757.2
7	745.9	73.3	745.5	745.	744.5	744.	744.	73.5	743.1	742.8	742.1	741.7
*8	813.9	78.4	814.	813.7	813.3	812.6	812.5	78.4	812.4	812.2	812.1	812.1
9	820.7	77.8	820.8	819.5	819.1	818.9	818.4	77.7	817.9	817.8	817.1	816.5
10	730.4	71.9	730.2	729.9	729.8	729 4	728.9	72.	728.4	728.1	727.4	727.3
11	747.8	71.9	747.8	748.	747.9	747.7	747.1	71.9	747.	746.3	746.	745.3
12	771.6	72.9	771.	770.9	770 6	770.	770.	72.9	769.8	769 6	769.	768.5
14	811.8	75.5	811.	809.2	808.2	807.6	806.9	75.4	805.5	804.8	804.	803.6
15	821.	76.3	820.7	820.5	819.1	819.1	818 9	76.3	818.4	818.1	817.6	817.4
16	799.8	74.3	798.8	798.1	797 2	796.6	795.9	74.3	794.9	794.1	793.4	792.4
17	803.4	74.7	802.8	801.8	801.	799 9	799.1	74.6	798.3	797.3	796.7	796.
18	830.1	77.1	829.8	829.5	829.1	828.3	828.4	77.	827.9	827.8	826.9	826.5
19	854.5	78.7	854.2	853 8	853.4	853.	852.6	78.6	851.8	851.3	850.9	850.
21	830.9	77.	830.9	830.9	830.6	830.5	830.1	77.	829.9	829.4	828.8	827.9
*22	848.3	77.	848.	847.7	847.6	847.5	847.3	76.8	846.	846.	846.4	846.2
*23	851.	77.9	851.	850.9	850.	849.	848.9	77.9	848.2	848.2	847.8	847.2
24	813.8	74.3	813.1	812.6	812.1	811.7	811.1	74.3	810.7	810.	809.3	808.4
25	808.5	74.3	808.	807.3	806.8	806.1	805.	74.2	804.9	804.4	803.3	802.8
26	844.1	77.1	844.	843.9	843.5	842.6	842.3	77.1	842.7	842.	841.5	841.1
28	840.3	78.5	840.3	840.4	840.5	840.3	839.8	78.5	839.1	838.9	838.5	838.
29	827.7	77.4	827.3	827.2	827.	826.9	826.7	77.4	826.4	825.6		
30	818.3	†76.3	818.1	818.	817.9	817.8	817.6	76.5	817.2	817.1		
31	868.	79.6	867.3	866.9	866.5	865.9	865.1	79.7	864.1	863.8		
Means	802.8	75.2	801.7	801.3	800.9	800.4	800.	75.2	799.5	799.1	79	
Reduced to 32° F.	219.6		218.5	218.1	217.7	217.2	216.8		216.	215.3	.4	7

* See disturbance observations.

† Supplied.

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
Aug. 1	†745.	69.5	†744.8	744.3	714.1	743.9	743.7	69.7	743.2	743.	742.9	742.7	69.9
2	†717.8	70.3	717.7	717.8	718.	717.9	717.9	70.5	718.3	718.5	718.8	719.	70.6
3	747.2	72.4	746.9	746.2	745.7	745.	745.1	72.4	744.6	744.2	743.9	743.8	72.4
4	764.7	73.2	763.2	761.6	761.	760.6	759.9	73.3	759.4	758.7	758.2	758.	73.6
5	756.7	73.2	756.1	756.	755.8	755.8	755.4	73.1	755.1	755.	755.2	755.2	73.
7	741.1	73.6	740.8	740.8	740.8	740.9	741.	73.8	741.1	742.	742.5	743.	74.
*8	811.8	78.6	811.6	811.7	811.2	811.1	811.1	78.8	810.	811.4	811.7	811.9	79.1
9	816.1	77.4	815.8	814.7	814.2	814.1	813.7	77.3	813.2	812.9	812.5	811.9	77.1
10	727.1	72.2	727.1	726.3	727.2	727.4	727.5	72.3	727.4	728.1	728.6	728.4	72.5
11	745.4	72.	745.8	745.4	744.8	744.9	745.2	72.2	745.	745.1	745.3	745.4	72.4
12	767.9	72.9	767.4	766.9	767.	767.1	767.	73.1	766.8	767.	767.	767.4	73.4
14	803.2	75.7	802.9	802.9	802.8	802.6	802.7	75.9	802.7	802.4	802 1	802.3	76.2
15	817.6	76.4	816.8	816.4	817.	817.3	817.3	76.6	817.4	817.8	817.7	818.2	76.8
16	791.6	74.4	790.9	790.2	790.	789.7	789.6	74.6	789.5	789 7	790.2	790.4	74.9
17	795.5	74.7	794.5	794.3	793.7	793.6	793.1	74.9	793.1	792.9	792.8	792.8	75.2
18	825.9	77.3	825.4	825.2	824.8	824.4	824.2	77.5	823.9	822.5	822.2	822.3	‖77.7
19	849.8	78.6	849.1	848.9	848.3	847.9	847.5	78.7	846.7	847.7	848.	848.	78.7
21	827.4	77.	826.7	826.8	826.5	826.1	826.1	77.1	825.9	825.7	825.6	825.6	77.3
*22	843.2	76.8	844.3	813.7	843.1	842.1	841.7	76.7	841.8	841.8	842.3	841.3	76.6
*23	847.	78.	846.9	846.	846.	846.	846.	77.9	844.9	845.1	845.	§845.	77 7
24	807.3	74.3	‡807.	804.8	803.9	803.5	802.8	74.3	802.2	801.7	801.4	801.1	74.3
25	802.2	74.2	802.	802.	801.6	801.4	801.5	74.5	801.1	801.	800.9	800.9	74.8
26	811.	77.2	840.9	840.9	840.5	840.	840.2	77.2	839.8	839.7	839.4	839.1	77.4
28	837.9	78.6	837.3	837.2	837.	836.9	836.5	78.7	835.6	835.4	836.2	836.3	78.8
29	824.8	77.4	824.6	824.3	823.9	823.6	822.9	77.5	822.3	821.9	822.	822.1	77.7
30	816.1	76.8	816.2	815.9	816.1	816.2	816.5	77.	816.8	816.9	817.4	817.9	77.2
31	861.9	79.8	861.5	861.4	861.1	861.	860.8	80.	860.8	860.6	860 8	861.2	80.3
Means	797.5	75.3	797.2	796.8	796.5	796.3	796.2	75.4	795.9	795.9	795.9	795.9	75.5
Reduced to 32° Fah.	213.		212.4	211.7	211.1	210.6	210.3		209.6	209.3	209.	208.7	

FIRST MAXIMUM

	h. m. 6 00 0 19½	h. m. 6 06 0 25½	h. m. 6 12 0 31½	h. m. 6 18 0 37½	h. m. 6 24 0 43½	h. m. 6 30 0 49½	h. m. 6 36 0 55½	h. m. 6 42 1 01½	h. m. 6 48 1 07½	h. m. 6 54 1 13½
Sept. 1	538.	539.	538.3	539.	540.	541.5	543.3	544.6	544.7	545.1
2	542.1	541.1	541.7	542.	542.	540.	539.1	537.4	533.9	525.6
4	537.5	536.5	536.6	537.	537.4	538.1	538.6	538.3	538.1	538.7
5	545.5	546.9	548.	548.5	544.9	544.9	547.	549.9	552.4	553.7
6	538.8	539.	538.9	539.7	539.6	541.7	544.9	547.7	550.7	553.6
7	538.7	539.2	539.	539.	537.2	536.5	535.2	536.4	536 6	536.9
8	538.2	538.7	*538.8	539.1	539.4	538.8	538.9	540.	540.5	538.9
9	537.9	537.7	537.2	538.4	538.8	541.2	542.5	543.5	545.	544.9
11	546.7	545.	544.8	546.7	547.8	546.6	546.5	545.3	545.2	545.
12	549.	549.4	549.3	550.6	546.3	543.	539.6	538.3	537.5	536.6
13	542.7	542 2	542.5	543.	543.8	543.1	542.8	544.1	544.1	544.8
14	537.5	537.3	537.3	537.3	5	537.7		537.6	537.9	537.9
15	537.9	537.6	538.	537.4	5	538.	,	538.7	538.5	538.5
16	538.4	538.8	538.7	539.4	1	539.4		534.6	538.9	540.1
18	536.8	536.5	536.3	537.	4	536.6	3	537.3	537.8	537.3
19	539.	541.8	541.1	539.6	538.8	538.6		540.6	541.7	541.1
20	540.9	541.	540.8	540.8	541.	540.8	–	541.6	541.9	542.
21	535.9	537.9	539.2	539.7	541.6	545.	4	547.9	549.	548.8
22	559.7	560.	555.5	554.4	551.4	551.9	7	548.7	547.4	545.3
23	543.6	544.4	544.5	544.3	544.4	545.	7	544.9	544.9	541.4
25	541.1	541.6	541.7	541.9	542.2	542.4	1	541.2	539.8	540.5
26	546.4	546.5	545.7	545.1	544.8	544.8	9	543.2	542.5	542.8
27	541.4	541.7	540.9	541.3	541.5	541.6	3	541.3	541.6	541.5
28	547.6	548.5	549.8	553.	553.5	545.4	4	535.2	2	5
29	542.	542.6	542.8	543.2	543.2	542.7		543.2	3	9
30	542.7	542.3	541.5	541.7	541.5	541.7	541.6	541.5	540.6	2
Means	541.7	542.	541.9	542.3	542.	541.8	541.8	541.7	541.9	541.5

*One minute late.

Göttingen time Observatory time	h. m. 7 00 1 19½	h. m. 7 06 1 25½	h. m. 7 12 1 31½	h. m. 7 18 1 37½	h. m. 7 24 1 43½	h. m. 7 30 1 49½	h. m. 7 36 1 55½	h. m. 7 42 2 01½	h. m. 7 48 2 07½	h. m. 7 54 2 13½
Sept. 1	*547.2	546.7	546.4	546 1	549.	550.	550.	549.5	548.3	547.5
2	523 1	512.5	508.7	511.5	519.4	527.6	528.	530.	531.2	533.6
4	537.9	537.3	537.9	538.6	539.	538.8	539.	539.7	540.	540.
5	554.2	555.	560.9	564.3	568.3	570.9	567.1	561.6	556.4	549.9
6	558.9	552.	550.2	550.4	551 4	551.4	549.6	546.5	543.9	540.8
7	537.2	537.2	†538.5	538.4	538.6	539.	537.3	535.6	533.4	532.8
8	535.	531.5	530.5	529.9	528.	528.	529.7	532.5	535.	536.4
9	545.5	546.4	546.	544.7	541.9	541.	541.	538.9	538.5	539.5
11	545.	543.2	541.6	539.	537 8	536.4	536.8	*535.5	535.7	539.
12	538.1	540.	540.5	541.4	541.8	542.4	542.5	542.4	542.2	541.9
13	544.7	545.5	545.	544.8	544.6	543.2	543.4	543.2	542.1	541.5
14	538.	538.2	538.1	538.3	538.2	537.9	537.7	537.9	538.3	538.6
15	538.6	538.5	538.4	538.2	538.5	538.5	538.7	539.	538.8	538.7
16	541 1	541.2	539.9	539.6	538.4	538.8	539.5	540.3	540.4	540.1
18	536.6	538.2	538.3	539.1	539.3	540.2	540.2	539.	538.5	538.3
19	543.6	546.5	547.7	548.4	547.8	547.3	545.7	546.	546.4	544.7
20	540.	†539.3	539.8	541.1	542.5	543.3	543.2	541.7	542.	544.7
21	547.	546.	546.4	549.	550.3	550.5	548.5	547.4	‡546.2	544.9
22	541.6	536.5	534.3	533.9	537.	538.4	541.9	545.	543.9	514.1
23	541.4	539.4	539.	*537.4	536.2	536.6	536.9	538.	538.4	537.8
25	540.9	541.1	541.9	542.2	543.1	543.8	544.7	544.5	544.8	545.
26	541.9	541.4	541.6	541.2	541.8	542.1	542.4	542.3	543.3	542.9
27	541.3	541.6	541.5	541.7	542.1	541.8	541.9	542.	542.6	542.5
28	542.2	*549.2	550.2	549.8	549.8	550.2	550.3	550.3	550.2	549.4
29	543.6	543.3	543.3	542.4	544.	545.3	545.5	545.6	545.3	545.3
30	537.8	537.3	537.3	536.7	536.	536.	536.5	538.1	539.7	540.8
Means	541.6	541.1	540 9	541.1	541.7	542.3	542.3	542.	541.8	541 6

Göttingen time Observatory time	h. m. 18 00 12 19½	h. m. 18 06 12 25½	h. m. 18 12 12 31½	h. m. 18 18 12 37½	h. m. 18 24 12 43½	h. m. 18 30 12 49½	h. m. 18 36 12 55½	h. m. 18 42 13 01½	h. m. 18 48 13 07½	h. m. 18 54 13 13½
Sept 1	515.	516.3	518.5	519.6	519.2	520.	521.1	522.9	524.2	525.4
2	526.1	525.9	†525.1	524.5	525.	525.9	525.9	525.7	527.	527.1
4	528.1	527.5	527.9	527.9	527.4	527.6	528.5	528.3	528.1	528.8
5	521.8	521.2	520.8	521.2	521.5	521.1	519.8	520.9	521.9	522.
6	524.1	524.	523.6	523.4	523.1	523.3	523.2	523.2	523.4	523.4
7	524.1	523.2	522.5	522.2	522.8	523.	522.9	524.	524.1	523.9
8	524.4	524.2	524.7	524.8	525.2	525.6	526.2	527.3	527.7	528.
9	518.2	518.8	518.3	519.3	520.2	520.8	521.8	523.7	522.	522.2
11	526.7	526.6	526.9	528.2	527.9	527.2	527.5	528.3	528.7	529.
12	531.7	*529.9	529.7	529.	529.3	*530.4	‡531.4	532.	532.1	532.2
13	524.	524.1	525.1	525.7	526.4	526.8	526.9	†527.2	*527.3	527.8
14	524.1	524.6	524.7	525.	525.1	525.2	[illegible]	525.6	525.8	525.9
15	528.6	528.9	529.1	529.1	529.4	529.6	[illegible]	530.2	530.4	530.7
16	527.7	527.1	527.2	527.6	527.6	527.6	527.7	527.8	528.3	529.
18	531.7	530.3	529.9	529.2	528.6	526.4	526.	‡527.4	526.7	526.9
19	532.7	532.3	531.9	531.3	531.2	†530.2	530.7	531.2	531.5	531.2
20	536.1	536.4	536.3	536.1	536.1	535.7	536.3	535.1	534.7	535.3
21	531.5	531.3	531.5	531.5	531.4	531.1	531.6	532.5	532.1	§532.
22	532.5	531.8	532.3	532.	*532.	531.8	532.4	532.9	533.2	534.
23	530.9	531.8	531.7	531.6	531.3	530.8	530.7	530.	530.	530.3
25	531.5	531.1	530.5	530.1	529.5	539.3	529.1	529.3	529.1	529.
26	531.8	532.2	532.4	533.	533.	532.9	532.6	532.1	532.	532.
27	539.	539.	539.	539.1	538.7	538.7	538.8	538.4	538.7	539.
28	542.	542.1	542.2	541.8	541.8	541.3	541.1	541.	541.	541.5
29	539.2	538.9	538.5	537.7	537.2	536.7	536.2	535.8	[illegible]	[illegible].5
30	532.5	532.7	532.9	532.9	533.	532.8	533.8	534.4	[illegible]	533.4
Means	529.1	528.9	529.	529.	529.	528.9	529.1	529.5	529.6	529.8

* One minute late. † Forty-eight seconds late. ‡ Two minutes late. § Supplied.

Göttingen time Observatory time	*h. m.* 2 00 20 19½	*h. m.* 2 06 20 25½	*h. m.* 2 12 20 31½	*h. m.* 2 18 20 37½	*h. m.* 2 24 20 43½	*h. m.* 2 30 20 49½	*h. m.* 2 36 20 55½	*h. m.* 2 42 21 01½	*h. m.* 2 48 21 07½	*h. m.* 2 54 21 13½
Sept. 1	548.7	555.5	560.8	558.2	551.5	552.1	558.7	567.6	570.4	567.4
*2	535.6	534.	534.2	536.2	537.9	538.4	536.4	535.9	535.8	535.7
4	540.	534.9	537.7	538.5	539.4	540.4	541.5	542.7	542.4	542.3
5	546.9	552.7	552.2	552.3	549.4	†546.4	546.7	548.5	550.7	551.7
6	537.3	536.3	535.7	535.5	535.3	536.7	537.9	539.5	551.2	549.1
7	538.8	539.9	540.9	539.7	539.6	538.6	537.4	536.9	536.4	536.4
8	538.4	538.2	537.6	538.3	539.6	539.3	540.1	541.1	539.7	539.1
9	536.5	536.6	536.5	536.6	536.5	536.4	536.4	536.5	536.6	536.4
11	540.1	539.7	539.5	540.3	540.3	540.9	541.	540.5	540.8	540.
12	544.1	545.7	545.7	544.3	541.5	543.3	542.1	540.4	‡540.2	540.8
13	538.7	538.9	538.4	†538.6	537.8	538.2	538.	538.1	537.9	538.
14	539.4	539.2	539.5	538.9	539.7	539.3	539.7	538.7	538.5	542.7
15	538.3	538.4	538.5	538.7	539.4	538.4	537.5	536.7	537.2	537.3
16	538.2	538.3	537.5	537.6	540.5	543.1	545.1	544.7	542.7	541.2
18	535.1	536.3	538.8	541.	513.7	547.1	549.2	550.4	548.6	545.9
19	540.3	539.7	539.6	540.3	541.7	541.9	542.6	542.1	540.4	540.1
20	539.6	539.	545.	558.2	573.3	582.1	569.	559.8	554.6	555.1
21	550.4	549.3	547.6	547.9	549.1	547.6	545.4	543.1	543.2	542.4
22	543.5	544.5	543.5	543.5	543.5	543.3	543.7	546.	545.5	545.4
23	541.1	541.3	541.	541.	541.2	541.2	541.7	541.5	541.	540.7
25	545.5	541.7	541.	540.3	540.5	540.5	539.9	540.2	540.6	540.8
26	544.	545.8	545.3	543.	542.6	543.7	545.8	547.4	547.6	547.4
27	552.7	550.2	548.2	546.8	544.5	543.9	541.7	540.9	542.6	545.2
28	547.1	551.3	557.6	562.8	561.	556.2	553.3	550.2	548.4	550.
29	552.3	549.8	550.9	554.5	556.	554.9	553.	551.1	550.	547.8
30	551.	555.	557.4	555.2	553.7	557.7	556.6	557.7	556.1	552.5
Means	542.5	542.8	543.5	544.2	544.6	545.1	544.6	544.6	544.6	544.3

FIRST MINIMUM OF DECLINATION—Continued. [1843.

time / ry time	h. m. 3 00 21 19½	h. m. 3 06 21 25½	h. m. 3 12 21 31½	h. m. 3 18 21 37½	h. m. 3 24 21 43½	h. m. 3 30 21 49½	h. m. 3 36 21 55½	h. m. 3 42 22 01½	h. m. 3 48 22 07½	h. m. 3 54 22 13½
Sept. 1	560 3	536.1	553.9	552.9	550.1	549.	548.3	548.2	548.1	544.7
*2	536.5	536.4	535.4	536.2	535.9	535.4	535.8	535.4	535.	535.
4	542.7	542.6	543.1	543.4	542.	541.3	540 4	539.8	539.1	538.5
5	547.4	544.2	542.3	543.3	543.6	541.3	540.8	539.1	540.8	540.4
6	547.	545.1	544.5	542 2	541.1	541 2	542.4	543 8	544.4	543.1
7	536.6	536.1	536.1	536.1	536.9	536 9	536.5	‡539.6	542.3	§542.5
8	539.9	540.	539.7	539.1	539.4	538.8	538.6	538.9	538.6	539.3
9	536.7	536.6	536.7	536.9	536.5	536.9	537.	536.9	537.1	537.2
11	540.6	540.5	540.5	540.1	540.1	539.9	539.9	539.5	540.2	539.4
12	540.6	540 8	540.1	540.3	540.	540.5	543 3	544 9	543.9	543.6
13	538.2	538.	538.1	537.9	537.7	†537.8	[illegible]	537.2	537.7	537.7
14	544.5	544.8	545.7	544.8	545.	544.8	[illegible]	542 4	539.9	539.2
15	537.3	537.2	536.6	536.9	536.8	536.7	538.2	539.	538.8	538.7
16	539.5	540.8	543.	543.5	542.7	541.6	540.4	539.5	538.8	538.9
18	547.9	550.6	552.6	549.6	546.	541.3	538.1	540.9	540.7	536.5
19	540.7	541.9	540.4	540.4	540.9	539.5	542.7	542.3	541.3	541.1
20	555.9	555.3	554 5	553.3	549.8	546.8	544.9	546.5	543.4	542.9
21	541.7	541.5	543.1	544.3	544.6	545.5	546.7	551.8	556.1	554.5
22	544.8	544.	542.6	543.9	544.	544.6	544.5	542.7	542.2	542.7
23	541.1	541.2	541.7	542.6	542.	541.1	541.	540.4	540.6	540.
25	540.9	541.3	541.1	540.9	540.4	540.	540.2	540 7	540.5	540.6
26	545.5	545.7	545.7	544.6	543.5	542.8	542.5	542.7	542.3	541.9
27	549.2	553.	552.3	551.3	551.8	553.	553.1	552.6	552.	551.7
28	551.8	550.4	550.1	548.5	547.	546.2	546.5	546.3	[illegible]	[illegible]
29	549.7	551.7	550.5	550.1	549.6	550.9	552.1	552.8	552.1	555.7
30	550.	547.1	543.6	544.6	546.3	546.6	545.	545.3	546.2	546
Means	544.1	544.	543.6	543.4	542.8	542.3	542.3	542.7	542.7	542.1

* See disturbance observations. † One minute soon. ‡ One minute late. § Two minutes late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Sept. 1	546.9	546.3	546.6	545.4	546.3	546.7	546.7	547.6	548.	547.1
2	550.6	549.2	547.6	548.	546 1	546.9	547.7	548.1	547.	543.9
4	547.	547.1	543.2	542.3	543.5	543.3	542.9	511.8	543.	542.6
5	546.4	545 8	546.4	545.7	545.8	543.9	542.9	543.8	542.1	542.
6	549.7	549.5	549.7	548.9	549.4	548.4	547.7	547.6	547.4	547.3
7	516.9	546.6	516.3	544.2	544.7	544.8	515.	545.	544.5	545.2
8	537.9	538.2	537.	537.5	538.5	539.	540.	538.7	536.9	538.
9	552.1	551.9	551.	551.	551.9	551.8	549.5	548.9	547.9	547.6
11	550.	549.3	549.4	549.	548.	547.5	545.9	545.1	545.2	544.8
12	551.3	551.2	550.7	548.8	549.	549.	549.8	550.5	550.1	550.5
13	552.	552.3	550.7	549.1	552.7	554.5	553.2	551.7	550 9	550.5
14	547.9	546.8	546.8	546.2	546.8	546.2	516.7	546.2	546.5	544.9
15	547.8	547.5	547.8	547.7	547.9	547.9	546 9	545.6	544.9	544.9
16	548.1	549.4	548.6	547.6	547.6	548.2	548.	546.4	546.	545.6
18	543.4	547.1	545.1	544.5	544.5	542.2	542.6	541.4	543.	542.1
19	548.6	547.7	548.5	548.9	550.2	549.7	549.8	551.4	519.7	546.6
20	551.6	551.1	550.6	552.3	552.9	551.5	552.6	553.6	554.2	552.
21	553.8	553.8	553.9	554.9	554.9	555.4	555.4	554.2	552.3	553.4
22	552.9	552.	552.2	551.3	552 1	552.3	552.3	551.3	553.	553.3
23	541.4	538.8	539.4	537.8	538.4	541.5	541.8	542.8	514.1	544.5
25	553.3	553.6	554.1	553.8	553.9	553.9	553.9	553.6	553.8	553.9
26	553.9	554.2	554.4	555.	556.	555.8	555.	554.6	553.9	554.2
27	554.7	554.5	553.9	555.3	555.	555.	554.6	554.7	554.5	554.4
28	547.9	548.4	547.2	548.1	547.9	547.1	547.1	547.5	546.1	545.3
29	550.	550.6	551.1	551.3	551.	551.7	550.	551.2	551.5	551.
30	544.9	544.2	544.1	544.8	544.2	545.4	545.1	545.	544.2	544.3
Means	549.	548.7	548.3	548.1	548.4	548.4	548.2	548.	547.7	547.3

	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.	Therm., Fah.
gen time	11 32		11 38	11 44	11 50	11 56	12 02		12 08	12 14	12 20	12 26	
atory time	5 51½		5 57½	6 03½	6 09½	6 15½	6 21½		6 27½	6 33½	6 39½	6 45½	
Sept. 1	964.7	80.	961.5	960.4	962.5	964.5	965.9	79.9	964.3	963.9	963.2	963.9	79.8
2	953.2	74.1	951.3	956.1	950.4	959.5	954.9	74.	958.1	965.2	961.6	963.5	73.9
4	975.8	78.6	976.8	977.5	978.4	976.4	976.7	78.6	979.	977.1	977.4	978.	78.6
5	975.3	78.6	971.1	974.	973.3	971.	970.5	78.5	969.	969.1	968.1	968.3	78.5
6	984.2	77.3	984.4	985.7	986.2	985.4	984.3	77.2	983.6	982.8	982.6	983.	76 9
7	958 4	72.9	959.7	957.8	959.3	959.1	957.9	72.7	957.7	958.	961.	959.7	72.7
8	946.8	67.2	949 5	948.	948.9	948.9	950.4	67.	952.1	952.4	952.2	951.8	67.
9	951.5	68.	950.6	949.5	948.4	949.3	950.1	68.2	949.7	949.4	948.1	947.	68.2
11	939.5	58.7	939.7	937.3	937.3	932.7	929.6	58.4	926.8	921.3	918.	918.5	58.2
12	958.5	70 2	962.1	962.4	961.1	962.7	963.6	70.	960.3	964.	962.9	962.2	70
13	942.9	70.2	945 2	942.4	943.5	944.2	944.5	70.7	945.7	947.	949.	949.1	71.2
14	943.2	63.7	914.2	943.3	943.	942.6	943.5	63.6	942.3	942.8	942.1	941.9	63.5
15	980.4	77.9	980.5	979 7	979.9	980.3	981.	78.	981.1	982.6	984.	983.5	78,3
16	995 6	75 9	994.2	993.3	993.2	992.3	994.8	75.7	996.3	997.	998.	998.6	75.6
18	981.9	76.3	984.2	977.2	977.3	982.	978.3	76.2	982.8	983.1	984.4	986.5	76.1
19	999.2	78.9	993.5	994.8	993.5	989.8	992.2	78.9	994.8	997.4	999.3	1006.3	78.8
20	1008.1	76.3	1005.4	006.	1008.1	1007.9	1007.2	76.	1006.5	1006.3	1005.	1004.9	75.8
21	989.	73.7	988.2	990.1	990.1	991.7	991.6	73.5	991.2	989.3	989.2	986.9	73.2
22	1005.4	78.1	1004.7	1003.8	1003.5	1005.4	1006.7	78.	1005.9	1008.1	1008.9	1008.5	77.9
23	986.9	68.9	986.	983.5	982.3	982.1	984.5	68.8	981.1	*985.6	986.1	994.1	68.6
25	1001.8	77.3	997.	998.3	995.3	996.3	995.5	77.	994.1	994.4	995.9	998.9	76.9
26	1007.2	78.	1004 8	1006.	1002.4	1000.7	998.4	77.7	995.5	995.	990.7	991.8	77.6
27	957.	60.8	958.5	957.3	957.7	958 5	958.5	60.4	958.	957.9	958.1	958.9	60.
28	952.4	52.8	948.7	913.6	938.5	933.3	925.1	52.6	925.1	922.7	927.	928.2	4
29	952.1	57.	951.7	950.9	949.7	949.1	948.3	57.1	918.	947.8	946.4	946.7	3
30	971.8	60.3	971.3	969.2	962.6	964.4	959.5	60.	962.9	961.7	961.5	955.7	8
Means	972.4	71.2	971.7	971.1	970.5	970.4	969.7	71.1	969.8	970.1	970.	970.6	
Reduced to 32° Fah	886.2		885.5	884.9	884.4	884.3	883.7		883.8	884.2	884.1	884.8	

* One minute late.

Göttingen time.. Observatory time.	*h. m.* 21 02 15 21½	Therm., Fah.	*h. m.* 21 08 15 27½	*h. m.* 21 14 15 33½	*h. m.* 21 20 15 39½	*h. m.* 21 26 15 45½	*h. m.* 21 32 15 51½	Therm., Fah.	*h. m.* 21 38 15 57½	*h. m.* 21 44 16 03½	*h. m.* 21 50 16 09½	*h. m.* 21 56 16 15½
Sept. 1.....	1008.1	80.2	1006.	1000.6	996.5	992.2	987.1	80.	983.4	981.2	985.5	992.9
2.....	*955.2	79.5	956.4	964.3	967.5	978.3	985.1	80.	995.3	1005.3	1006.9	1008 5
4.....	999.1	85.9	1004.	1006.1	1005.5	1015.1	1019.2	86.2	1017.5	1019.9	1022.6	1017.7
5.....	982.8	82.7	981.3	‡986.3	988.8	992.7	993.8	83.2	994.4	991.1	988.8	990.7
6.....	961.6	76.5	962.5	963 6	965.3	961.2	958.9	76.7	964.1	965.3	967 8	973.1
7.....	944.4	70.	944.8	915.6	913.3	940.2	940.3	70.	940.2	948.7	952.4	950.1
8.....	950.6	71.7	949.1	952 3	958.	957.3	957.8	71.8	960.7	965.4	966.6	964.3
9.....	918.7	69.8	961.3	968.7	967.5	975.	968.3	70.	953.2	951.9	951.2	942.7
11.....	917.1	57.6	915.5	918.2	916.5	917.8	917.3	§57.6	918.	920.2	922.7	925.1
12.....	971.5	73.1	971.9	963.1	958.5	964.8	967.2	73.	969.1	968.3	965.7	964.
13.....	951.2	73.2	954.6	959.6	964.4	964.6	964.9	73.1	968.2	964 8	964.5	972.9
14.....	919.8	66.5	952.3	953.7	953.8	954.9	954.6	66.7	‡955.6	957.1	957.8	958 6
15.....	1003.8	82.2	1002.9	1005.7	1005.7	1006.8	1006.6	82.3	1005.3	1004.7	1004 5	1003.5
16.....	992.2	78.4	991.8	990.1	989.1	988.7	991.1	78.4	989.	989.4	987.7	995.3
18.....	994.6	81.8	986.1	993.6	996.7	‡1000.7	1001.	82.1	1001.9	1004.1	1008.1	1028.5
19.....	1038.5	93.7	1032.6	1025 6	1024.8	1022.3	1020.2	84.	1021.9	1029.8	1038.4	1022.2
20.....	1009.4	79.3	1001.3	1007.7	1009.3	1009.4	1015.1	79.5	1016.3	1020.4	1021.2	1024.3
21.....	1004.5	80.	1004.4	1002.6	1002.3	1005.5	1009.3	80.5	1006.3	1011.5	1011.7	1008.3
22.....	997 6	75.6	1004.9	1006.7	1010.2	1010 7	1010.5	76.	1003 7	1005.	1006.	1003.2
23.....	991.2	73.1	989.3	990.1	993.5	995.6	997.	74.	994 9	996.8	995.2	998.7
25.....	1015.2	84.2	1015.4	1016.	1017.8	1016.6	1016.9	84.5	1016.9	1016.4	1015.5	1015.9
26.....	1000.9	73.9	999.8	999.9	1000.4	999.5	1000.5	73.3	1000.3	1000.4	998 8	998.5
27.....	†953.2	60.7	951.9	949.9	948.7	947.9	944.9	61.	945.4	‖919.4	947.	942.9
28.....	965.	60.	965.	963.8	962.4	964.7	968.1	60.4	968.3	967.4	965.3	964.6
29.....	987.8	66.1	986.1	985.4	984.9	983.	981.3	66.	978.2	977.7	974.7	975 9
30.....	978.9	64.	980 1	981.3	977.	975.8	974.7	64.3	973.5	976.6	974.4	975.6
Means.....	979.7	74.2	979.9	980.8	981.1	982.4	982.8	74.4	983.	983.5	984.3	985.3
Reduced to 32° F.	886.9		887.	887.8	888.	889.2	889.5		889.7	890.1	890.8	891.7

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
Sept. 1	990.4	79.7	992.2	987.9	988.8	987.6	980.5	79.6	981.2	980.3	982.7	982.4	79.4
2	1003.3	80.4	995.5	989.7	989.9	986.2	985.9	81.1	986.5	986.1	985.9	986.8	81.6
4	1019.3	86.7	1017.8	1009.	1021.7	1021.6	1020.7	87.1	1019.2	1018.3	1022.3	1018.8	87.7
5	986.1	83.4	986.3	984.6	986 5	987.5	988.5	83.8	989.	993.2	991.	992.9	84.1
6	976 3	76.6	976.6	973.2	968.6	965.	966.1	76.7	965.9	967.4	967.7	969.7	78.
7	951.6	70.1	953.5	949.7	944.4	943.7	947.	70.1	949.7	951.7	955 5	953.4	70.
8	962.4	71.9	965.4	967.8	967.7	965.1	968.4	72.4	967.7	969.5	967.5	966.4	72.4
9	945.7	70.4	941.8	950.	†952.	953.6	951.3	71.	956.7	946.9	947.4	949.6	71.3
11	927.9	57.7	920.8	920.7	921.4	922.	926.1	58.2	930.4	928.5	928.7	930 5	58.4
12	963.8	73.2	967.5	967.4	969.4	970.5	969.7	73.4	972.4	977.9	981.	982.1	73.5
13	973.7	72.9	973.6	974.2	975.4	976.7	979.2	72.7	983.2	984.2	984.4	986 1	73.6
14	958.2	66.6	957.3	957.2	957.5	955.6	958.1	66.7	960.7	964.	969.6	978.5	66.7
15	1001.6	82.3	1004.5	1007.5	1003.2	1002.4	1000.3	82.1	1001 1	1001.4	1000.5	1001.8	82.2
16	996.	78.6	997.6	998 1	998.7	998.3	997.2	78.6	997.	999.8	1004.7	1003.6	78.7
18	1024.8	82.5	997 7	1024.3	1019.9	1030.7	1021.3	83.1	1032.9	1032.4	1026.3	1020.4	83.6
19	1029.6	84.3	1038.7	1031.3	1028.8	1034.1	1039.2	84.8	1042.9	1031.2	1033.7	1029.5	85.
20	1026.5	79.5	1027.7	1024.2	1023.4	1019.1	1016.4	79.9	1015.8	1015.4	1012.7	1010.	79.8
21	1010.2	81.	1009.4	1001.7	1001.8	1003.7	1003.9	†81.5	1007.1	†1016.	1025 1	1032.9	†81.9
22	999.	76.3	1003.4	1004.	1005.2	1008.	1004.6	77.	1007.2	1004.3	1007.9	1004.8	77.1
23	1001.	74.4	1003.2	1002.6	998.4	998.3	999.9	75.3	999.1	998.1	1001.3	1003.2	75.7
25	1016.7	84.7	1015.5	1015.4	1018.2	1017.1	1017.9	84.9	1019.3	1017.8	1018 8	1017.6	85.4
26	1002.5	72.8	1003.8	1003.7	*1004.2	1002.1	1001.8	72.4	1002.2	1003.	1003.6	1001.1	†72.
27	942.5	61.2	943.6	944.6	943.6	942.1	941.7	61.6	943.1	943.1	944.3	944.4	61.7
28	962.6	60.5	962 6	960.5	958.9	958.8	958.9	60.8	958.1	958.3	959.6	961.9	60.9
29	975.7	67.1	976.4	979.4	978.1	976.2	975.2	67.6	973.6	976.1	978.7	979.6	67.9
30	972.1	64.4	966.1	971.	971.8	972.7	975.3	64.7	973.4	973.5	972.1	969.5	64.8
Means	985.4	74.6	984.6	984.6	983.7	984.6	984.4	74.9	986.	986.	990.8	991.1	75.
Reduced to 32° Fah.	891.7		890.8	890.7	889.5	890.4	890.		891.6	892.3	896.3	896.5	

* Two minutes late.

† Supplied.

Göttingen time..	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.
Observatory time	1 02 19 21½		1 08 19 27½	1 14 19 33½	1 20 19 39½	1 26 19 45½	1 32 19 51½		1 38 19 57½	1 44 20 03½	1 50 20 09½	1 56 20 15½
Sept. 1	998.9	78.5	998.2	1000.9	1003.	1001.4	1003.2	78.3	1003.4	1001.5	1003.2	1019
2	993.2	82.2	993.7	995.3	994.3	996.1	996.9	82.1	999	1000	999.2	997.1
4	1005.2	86.7	1002.7	1003.8	1002.5	1007.6	1009	86.4	1011	1007.2	1003.2	999.8
5	1001.5	83.9	1001.1	999.9	999.6	1003.3	1005	83.5	1003.9	1004	1003.8	999.9
6	969.9	76.1	970.1	969.	967.5	961.9	966.9	75.9	967.6	971.1	970.9	969.3
7	950.5	69.5	951.5	950.	949.	948.9	947.6	69.1	950.6	950.9	951.1	950.9
8	966.3	72.2	961.7	964.9	963.	962.2	958.5	71.8	960.4	963.1	963.8	963.6
9	942.5	70.9	945.1	944.6	941.5	946.2	943.2	70.6	939.6	936.9	940.5	940.6
11	919.	61.4	917.	917.5	913.6	922.	920.3	62.9	920.5	939.2	917.9	917.5
12	977.7	70.9	974.1	975.4	975.3	972.1	972.4	70.5	961.4	956.5	957.5	964.9
13	981.9	70.7	979.5	979.1	975.1	975.6	978.5	70.3	979.5	977.5	979.1	975.7
14	945.9	68.4	950.9	952.2	953.1	957.1	955.6	69.1	954.6	957.7	961.9	956.
15	1008.7	81.4	1011.1	1012.	1011.5	1011.6	1008.9	81.1	1007.6	1008.5	1008.1	1007.1
16	1003.1	78.	1005.3	1001.2	1004.5	1003.3	1001.8	78	1003.3	1009	999.6	998.6
18	1013.5	83.5	1016.5	1017.6	1010.8	1009.6	1017.8	84.2	1019.4	1015.6	1016.6	1018.1
19	1033.2	84.5	1038.4	1032.8	1029.2	1028.8	1027.8	84.3	1027.6	1026.7	1025.8	1025.8
20	1005.2	79.1	1007.2	1004.2	1001.3	1000.1	1000.7	78.8	1003.3	1001.7	1005.8	1008.
21	1036.6	82.2	1039.	1041.1	1035.3	1038.4	1029.3	80.2	1030.3	1018.9	1019.7	1021.6
22	1001.3	75.8	1001.1	1000.4	1000.4	999.8	998.7	76.4	997.8	998.5	998.9	999.8
23	996.	75.5	996.1	995.4	995.9	996.2	995.4	76.4	995.5	994.7	994.4	994.1
25	1019.7	81.5	1020.8	1014.4	1018.5	1019.4	1021.6	84.3	1024.8	1024.1	1024.8	1020.9
26	987.9	69.8	988.2	989.	989.3	989.4	990.1	69.5	991.4	994.7	997.1	998.6
27	967.5	60.7	969.1	972.7	978.4	982.7	985.2	60.5	989.4	993.6	996.	997.1
28	975.3	60.5	975.3	975.3	973.6	975.6	977.	60.4	976.6	976.9	977.1	976.8
29	998.4	67.4	997.6	996.5	996.7	998.2	1000.8	67	996.9	994.8	993.6	993.9
30	1022.7	64.4	1022.3	1022.1	1020.5	1018.	1017.2	64.2	1017.1	1018.7	1019.2	1020.6
Means	989.3	74.6	989.9	989.7	988.6	989.3	9 9.7	74.4	989.7	989.6	989.8	989.6

(1848.

Göttingen time. Observatory time.	A. m. 2 02 20 21½	Therm., Fah.	A. m. 2 08 20 27½	A. m. 2 14 20 33½	A. m. 2 20 20 39½	A. m. 2 26 20 45½	A. m. 2 32 20 51½	Therm., Fah.	A. m. 2 38 20 57½	A. m. 2 44 21 03½	A. m. 2 50 21 09½	A. m. 2 56 21 15½	Therm., Fah.
Sept.* 1	1016.8	78.	1015.6	1003.4	993.6	989.7	992.9	77.9	998.5	990.5	989.8	988.9	§77.9
2	996.	82.	995.9	998.	995.2	994.	989.	81.8	986.9	984.4	983.3	978.7	§81.8
4	993.5	86.1	994.7	992.9	993.3	1001.	1003.1	85.9	1004.5	1003.4	1001.9	1001.	85.6
5	988.6	83.3	972.	972.4	971.9	977.9	988.5	82.9	995.4	1001.4	998.2	993.8	82.8
6	962.7	75.7	971.8	971.8	973.3	973.1	973.4	75.7	974.5	968.1	970.3	973.7	75.5
7	948.9	69.2	947.2	946.6	949.7	949.3	950.6	69.1	950.5	950.3	950.9	950.3	69.1
8	962.6	71.8	963.8	964.3	966.	963.7	964.	71.6	962.8	960.7	963.8	965.7	71.5
9	941.2	70.2	943.9	943.9	943.7	948.2	949.3	70.1	947.5	947.3	948.5	947.3	69.6
11	920.3	64.4	918.6	915.3	919.9	918.6	915.8	65.7	918.5	920.8	922.	927.8	67.
12	967.5	70.	967.2	967.3	967.1	971.1	963.1	69.6	962.7	964.2	963.2	964.6	§69.2
13	975.6	69.9	975.	974.1	973.6	†974.	973.4	69.6	973.4	974.2	972.5	971.5	69.1
14	955.8	70.5	954.6	955.8	955.9	954.8	957.	71.6	964.5	‡960.1	959.	957.	§72.
15	1006.6	80.9	1007.4	1007.8	1006.9	1007.3	1008.1	80.8	1011.1	1013.1	1012.3	1011.8	80.8
16	997.	77.9	996.3	997.6	1001.	1002.3	1001.	77.8	1006.6	1005.3	1003.6	1001.8	77.7
18	1029.2	83.2	1024.8	1026.6	1027.9	1026.8	†1021.1	83.1	1017.3	1008.6	1007.7	1016.9	§83.1
19	1022.	84.1	1025.7	1031.1	1027.3	1024.4	1025.6	83.8	1022.1	1023.9	1026.1	1023.8	§83.5
20	1007.2	78.6	1007.	1019.1	1028.5	1030.4	1030.9	78.3	1012.2	1006.6	1005.3	1001.	78.1
21	1016.3	82.1	1014.1	1016.3	1013.6	1010.1	1012.4	82.	1019.7	1020.4	1023.5	1023.	§82.
22	1000.5	75.	1002.3	1003.4	1003.9	1003.5	1001.1	74.7	998.5	996.2	995.3	995.4	§74.5
23	994.7	75.3	994.2	994.5	996.2	995.2	995.4	75.3	993.3	994.	995.5	996.8	75.3
25	1027.7	84.2	1034.5	1030.	1029.7	1027.	1025.1	83.8	1023.2	1022.5	1022.7	1023.3	§83.6
26	995.4	69.2	995.2	993.3	991.7	991.7	990.2	68.8	990.	988.7	988.9	989.1	§68.6
27	988.2	60.4	986.7	980.9	979.5	976.3	970.8	59.9	969.3	969.3	970.5	971.	§59.5
28	978.9	60.4	976.4	979.3	973.2	968.2	961.5	60.4	959.8	964.7	972.5	973.1	60.5
29	975.9	66.9	984.2	987.5	986.1	984.7	984.7	66.9	992.9	‡994.1	995.2	998.9	§66.9
30	998.3	64.1	991.3	971.2	969.1	977.3	967.9	64.1	972.7	968.4	970.8	976.4	64.1
Means	987.2	74.4	986.9	986.3	986.1	986.2	985.2	74.3	985.7	984.6	984.4	984.2	74.2
Reduced to 32° Fah.	893.9		893.6	893.	892.9	893.	892.1		892.6	891.6	891.5	891.4	

* See disturbance observations. † One minute late. ‡ Two minutes late. § Supplied.

Göttingen time.. Observatory time.	*h. m.* 15 32 9 51½	Therm, Fah.	*h. m.* 15 38 9 57½	*h. m.* 15 44 10 03½	*h. m.* 15 50 10 09½	*h. m.* 15 56 10 15½	*h. m.* 16 02 10 21½	Therm., Fah.	*h. m.* 16 08 10 27½	*h. m.* 16 14 10 33½	*h. m.* 16 20 10 39½	*h. m.* 16 26 10 45½
Sept. 1.....	995.7	79.4	992.3	994.3	998.6	1002.1	1003.3	79.4	1005.2	1009.2	1005.6	1001.7
2.....	960.6	74.3	958.3	959.6	956.7	962.6	955.7	74.5	954.8	959.4	962.5	964.
4.....	995.9	80.3	997.4	1000.7	1001.5	1001.8	1003.1	80.5	1004.6	1008.9	1009 7	1009.8
5.....	1006.5	79.4	1007.9	1007.8	1007.1	1006.9	1007.1	79.8	1003.7	1002.7	1005.3	1005.7
6.....	1015.5	75.8	1014.7	1015.5	1011.1	1014.3	1014.	75.8	1014.3	1012.9	1014.5	1013.3
7.....	1003.5	71.8	1003.9	1003.2	999.8	1001.	1002.6	71.5	1004.6	1003.5	1001.2	1000.5
8.....	976.3	68.7	977.2	977.9	979.3	981.5	981.7	69.	981.7	981.5	983.4	983.1
9.....	997.4	68.8	994.8	991.2	987.4	985.3	983.3	68.9	983.	980 2	978.6	977.7
11.....	968.	57.8	967.6	965.8	983.	962.7	962.1	57.9	960.4	§959.7	958.6	955.4
12.....	982.	69.3	978.5	980.6	982.	984.2	984.9	70.6	986.6	986.	987.1	989.
13.....	986.4	71.	983.2	986.3	980.8	982.5	982.2	71.5	983.3	§984.2	982.8	984.7
14.....	974.	64.1	974.8	974.	976.2	975.4	974.5	64.4	974.1	973.3	972.8	971.
15.....	1015.9	80.	†1017.4	1014.8	1014.2	1013 9	1014.9	80.3	1013.5	1013.	1012.6	†1009.7
16.....	1019.2	75.6	1018.5	1020.7	1021.6	1019.	1018.8	75.8	1018.	§1018.8	§1018.3	1018.4
18.....	1007.8	76.1	1012.8	1013.4	1014.6	1013.8	1016.2	76.3	1014.8	1015.2	§1015.2	1015.8
19.....	1044.4	*79.4	1045.6	1046.2	1046.2	1045.2	1044.4	79.7	1044.6	1044.8	1046.8	1041.8
20.....	1031.6	75.8	1031.1	1034.9	1033.	1032.8	1030.7	76.3	1029.6	1029.4	1030.1	§1030.9
21.....	1017.5	74.1	1018.3	1018.3	1019.8	1020.9	1022.1	74.5	1021.7	1022.3	1023.3	1024.7
22.....	1041.8	77.7	1044.	1046.	1053.7	1059.8	1064.4	77.5	1062.1	1061.	1056.7	1045.8
23.....	1003.8	68.7	1005.5	1002.9	1004.5	1003.3	1004.	68.8	§1006.6	†1006.	1004.5	1005.7
25.....	1045.3	78.	1045.5	1046.3	1048.8	1051.	1050.8	78.3	1052.6	1053.4	1052 9	1054.9
26.....	1051.2	76.2	1049.3	1048.5	1047.6	1048.8	1050.2	75.9	1051.7	†1051.8	1050.2	1050.4
27.....	982 5	58.8	983.6	984.1	984.1	983.4	985.9	58.9	987.9	991.1	990.8	990.4
28.....	963.4	53.4	965.7	968.7	969.3	968 6	967.2	53.9	969.	967.3	970.5	972.1
29.....	966.8	60.1	966.3	964.3	‡967.	966.4	967.9	60.7	968.1	‡969.5	‡69.6	969.1
30.....	984.4	60.2	984.5	983.8	983.2	983.4	981.7	60.5	981.9	980.6	980.1	981.7
Means.....	1001.4	71.3	1001.1	1001.5	1002.1	1002.3	1002.8	71.6	1003.	1003.3	1003.2	1002.6
Reduced to 32° F.	914.9		914.4	914.7	915.2	915.3	915.7		915.7	915.8	915.6	914.0

* Corrected. † Two minutes late. ‡ One minute and a half late. § One minute late. [illegible] late.

Göttingen time..... Observatory time.....	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Sept. 1.....	996.3	79.5	984.8	990.9	998.9	993.	998.4	79.5	1000.3	1006.	1007.8	1031.5	79.6
2.....	961.6	75.	962 5	961.6	964.1	964.6	963.9	75.3	964.5	964.3	960.7	962.9	75.8
4.....	*1009.8	80.9	1009.6	1009.7	†1004.1	999.9	†998.4	81.4	999.5	1003.3	1002.1	999.7	81.9
5.....	1009.8	80.	1007.2	1006 3	1005.4	1001.2	997.9	80.5	†1003.	1001.5	999.8	999.9	80.7
6.....	1013.9	75.9	1013.5	1012.	1011.1	1011.1	1009.7	76.3	1010.	1009.6	1010.2	1009.2	76.6
7.....	996.7	71.6	996.6	994.8	995.	993.6	989.4	71.6	988.3	986.8	985.7	983.1	71.5
8.....	982.4	69.3	985.1	987.7	987 2	987.6	983.7	69.6	982.5	981.7	983.2	979.6	70.
9.....	974.4	69.	976.1	†974.6	976.2	977.6	*975.9	69.2	979.9	974.9	971.2	973.1	69.3
11.....	955.5	57.8	953.6	953.7	950.7	950.4	947.7	57.9	946.8	946.3	946.	944.2	58.
12.....	990.	71.8	987.1	994.6	987.	985.4	984.1	72.2	985.8	983.5	986.6	984.5	72.4
13.....	985.7	72.4	986.1	987.7	987.4	987.9	986.8	73.3	985.6	984.8	985.7	982.3	72.6
14.....	969.9	64.7	967.5	966.5	965.5	963.1	963.2	65.	962.1	962.6	963.1	962.8	65.5
15.....	1009.4	80.6	1007.9	1006.2	1004.1	1004.4	1003.9	80.8	1003.9	1002.9	1002.7	1002.6	81.
16.....	1017.3	76.	1015.2	1013.1	1012.2	1012.1	1013.2	76.2	1013.9	1013.7	1013.1	1010.9	76.4
18.....	1017.1	76.5	1019.7	1017 9	1016.7	1016.8	1014.6	76.8	1013.7	1015.1	1016.4	1010.6	77.1
19.....	1041.	79.9	1040.3	1037.2	1035.5	1034.6	1031.9	‡80.3	1030.3	1025 8	1027.8	1021.6	80.7
20.....	1033.7	77.	1037.9	1037.	1040.4	1043.5	1040.1	77.	1038.9	1034 5	1030.6	1034.4	77.2
21.....	1025.9	75.	1021.6	1025.9	1027.	1024.4	1020.8	75.5	1023.3	1022.2	1019.1	1023.8	76.
22.....	1046.5	77.4	1042.7	1041 5	1037.4	1032.6	1027.5	77.2	1026.9	1021.9	1019.5	1018.3	77.1
23.....	1006.8	69.1	1006.4	1007.2	1007.	1005.6	1005.4	69.4	1007.4	1003.9	999.8	1008.	69.8
25.....	1056.8	78.9	1057.8	1058.3	1057.4	1054.7	1053.2	79.4	1052.5	1050.4	1051.7	1047.	79.9
26.....	1052.3	75.9	1053.2	1055.2	1054.5	1053.	1053.7	75.8	1051.7	1048.	1046.5	1046.6	76.
27.....	990.4	59.	990.6	990.	992.3	990.8	987.3	59.2	987.9	992.4	991.8	993.5	59.
28.....	971.6	54.4	974.1	975.5	974.9	977.8	976.5	55.2	975.1	975.1	978.	976.6	55.7
29.....	968.3	61.2	969.3	972.	973.	972.	974.1	61.9	980.1	976.6	974.9	978.7	62.2
30.....	981.8	60.7	981.7	980.6	981.5	981.	979.9	61.	983.2	985.5	984.2	§987.5	‡61.2
Means.....	1002.5	71.9	1001.9	1002.2	1001.8	1000.7	999.3	72.2	999.9	999.	998.4	998.5	72.4
Reduced to 32° Fah.....	914.7		913.9	914.1	913.6	912.4	910.9		911.4	910.4	909.6	909.6	

* Two minutes late. † One minute late. ‡ Supplied. § One minute and thirty seconds late.

Göttingen time.. Observatory time.	*h. m.* 22 04 16 23½	Therm., Fah.	*h. m.* 22 10 16 29½	*h. m.* 22 16 16 35½	*h. m.* 22 22 16 41½	*h. m.* 22 28 16 47½	*h. m.* 22 34 16 53½	Therm., Fah.	*h. m.* 22 40 16 59½	*h. m.* 22 46 17 05½	*h. m.* 22 52 17 11½	*h. m.* 22 58 17 17½
Sept. 1.....	858.3	80.2	858.3	858.4	858.4	858.3	857.6	80.2	857.6	857.4	857.6	857.
*2.....	832.1	81.2	832.6	833.7	835.3	837 4	837.4	81.4	839.2	841.2	841.3	841.9
4.....	921.3	87.5	922.1	922.9	924.7	925.6	927.3	87.9	928.4	929.7	931.3	932.7
5.....	901.3	84.9	902.2	902.7	903.6	904.4	905.4	85.2	906.3	906.9	907.6	908.6
6.....	835.7	77.6	835.7	835.4	835.	834.9	834 8	77.8	834 7	834.5	835.3	835.6
7.....	750.7	70.9	750.5	750.2	748.2	748 6	748.6	70.9	748.8	749.3	749.3	749.4
8.....	768.3	73.8	768.2	768.3	767.6	767.4	767.4	73.5	767.3	767.5	767.4	767.3
9.....	743.6	72.4	743.2	743.4	743.6	744.6	745.8	72.9	747.3	748.5	749.4	751.3
11.....	595.3	58.9	†595.	595.	595.2	595.2	595.8	59.3	596.3	596.6	597.1	597.9
12.....	823.	76.3	822.2	821.6	821.3	821.1	820.9	76.5	820.9	821.6	822.3	822.6
13.....	810.5	74.4	809.3	808.6	808.3	807.6	807.3	74.3	807.1	806.3	805.6	805.1
14.....	698.5	67.2	698.5	698.8	699.1	699.2	699.6	67.3	699.8	700.2	700.9	701.2
15.....	907.7	82.9	907.8	907.7	907.7	907.7	907.7	82.7	907.7	907.7	907.7	907.8
16.....	855.7	79.6	856.3	856.7	857.1	857.2	857.3	79.6	857.3	857.4	858.2	858.4
18.....	877.3	83.7	878.3	‡878.8	880.1	881.4	881.9	84.1	883.2	884.2	885.7	887.7
19.....	913.5	85.6	914.4	914.6	915.4	916.2	917.	85.9	917.3	917.4	917.7	918.2
20.....	865.2	80.6	866.	866.2	866.1	866.4	866.5	80.6	866.5	866.8	867.2	867.1
21.....	857.6	82.1	858.7	†859.5	860.1	860.8	861.6	82.6	863.5	865.4	867.7	868.7
22.....	830.2	77.8	‡829.4	829.2	*28.8	829 3	829.7	77.4	830.1	828.9	828.7	829.4
23.....	781.5	75.6	781.1	782.7	784.	785	785.7	76.2	787.1	788.7	790.6	792.
25.....	910.7	85.5	911.2	912 1	913.7	914.7	915.4	85.6	916.5	917.3	918.3	918.7
26.....	809.7	74.1	808.2	§806.2	805 6	804.8	803.4	73.7	802.7	802.3	801.3	800.2
27.....	648.3	63.4	648 8	649.1	649.6	650.2	650.6	63.6	650.5	651.3	651.4	652.2
28.....	626.6	61.6	627.2	627.6	628.4	628.7	629.7	61.5	630.2	630.7	631.8	632.3
29.....	699.4	68.4	700.7	701.7	703.4	704.5	705.9	68.7	707.3	707.9	708.9	710.2
30.....	677.6	65.4	677.5	678.3	678.9	679.6	680.4	65.4	680.8	681.6	682.2	682.3
Means.....	800.	75.8	800.5	800.4	800.7	799.3	801.6	76.	802.1	802.6	803.2	803.7
Reduced to 32° F.	208.7		208.7	208.	207.7	208.8	207.6		208.1	208.6	209.2	209.7

Göttingen time..... Observatory time.....	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
Sept. 1.....	858.2	80.	858.3	858.3	858.4	858.3	858 6	79.8	858.6	858.7	858.8	859.	79.5
*2.....	844.4	81.2	844.8	846.3	847.5	849.4	851.3	82.2	852.4	853.7	855.2	856.3	82.2
4.....	934.4	88.2	937.3	938.2	939.7	910.7	942.3	88.3	943.7	944.8	945.9	947.2	88.2
5.....	910.9	85.3	910 7	911.3	912.	913.	913.8	85.4	‡915.	915.4	915 8	916.5	85.
6.....	835.6	77.6	834.8	834.6	834.7	834.4	831.8	77.5	834.7	835.3	835.4	835.6	77.2
7.....	749.4	70.9	749.4	749.8	749 9	750.1	749.8	70.8	750.2	750.2	750.2	750.2	70.6
8.....	767.3	73.4	767.6	768.2	768.6	768.8	768.9	73.3	768.9	769.	769.2	769.1	73.6
9.....	752.	72.8	752.8	753.4	756.1	756.6	759.7	72.8	758.4	757.8	758.2	758.8	72.4
11.....	598.2	59.6	598.2	598.7	600.4	601.4	602.3	60.2	603.8	605.4	606.8	607.7	60.8
12.....	822.5	76.5	822.3	822.4	822.6	822.4	822.	75.6	820.4	820.4	820.2	819.	74.7
13.....	804.4	73.8	803.7	803.	803.7	801.4	801.3	73.5	‡800.6	800.3	799.6	799.3	73.1
14.....	701.3	67.1	701.2	700.3	701.2	701.5	701.8	67.4	702.2	702.8	703.3	704.	67.9
15.....	907.7	82.6	907.7	908.1	907.7	907.7	907.8	82.4	‡907.6	907.5	907.4	907.2	82.2
16.....	858.4	79.9	858.7	858.6	859.2	859.9	860.2	79.6	860.4	860.7	860.7	861.2	79.2
18.....	888.2	84.4	889 9	890 7	891.5	892.6	893.8	84.6	895.4	896.7	897.4	899.6	84.5
19.....	918.6	86.1	919 3	920.3	921.1	921.3	921.6	86.1	922.3	923.	924.4	925.4	85.8
20.....	867.7	80.8	868.1	868.3	868.5	868.9	869.4	80.6	869.7	869.8	870.3	870.4	80.6
21.....	871.2	82 8	873.1	873.7	874 8	876.	876.9	82 7	†878.4	879.3	880.6	881.9	83.3
22.....	†830.3	78.4	830.7	831.3	832 4	832.7	833.6	78.3	834.1	835.3	835.7	835.9	77.8
23.....	796.5	76.4	794.4	794.4	796.8	797.9	799.1	76.5	798.5	800.9	802.1	802.6	76.2
25.....	†920.2	85.7	921.3	921.7	†922.8	923.3	924.5	85.5	§925.2	925.4	926.4	926.7	85.4
26.....	798.8	73.3	797.9	796.7	796.	794.9	793.7	72.8	792.8	791.5	790.3	789 1	72.3
27.....	652.4	63.4	652.5	†652.9	653.2	653.3	653.5	63.3	†653.7	653.8	653.8	653.4	63.3
28.....	632.7	61.5	633.3	633.7	633.9	†631.6	634.7	61.6	635.4	635.8	636.6	636.9	61.6
29.....	711.3	69.	712.3	713.1	713.5	714.3	714.8	69.9	715.6	716.3	717.3	717.4	69.9
30.....	682.2	65.4	682.3	682.3	682.3	682.5	†683.	65.4	684.1	683.8	684.5	684.9	65.5
Means.....	804.4	76.	804.7	805.	805.7	806.1	806.7	76.	807.	807.4	807.9	808.3	75.9
Reduced to 32° Fah.....	210.4		210.7	211.	211.7	212.1	212.7		213.4	214.2	215.	215.7	

* See disturbance observations. † One minute late. ‡ Two minutes late. § Three minutes late.

Göttingen time.. Observatory time.	*h. m.* 12 34 6 53½	Therm., Fah.,	*h. m.* 12 40 6 59½	*h. m.* 12 46 7 05½	*h. m.* 12 52 7 11½	*h. m.* 12 58 7 17½	*h. m.* 13 04 7 23½	Therm., Fah.	*h. m.* 13 10 7 29½	*h. m.* 13 16 7 35½	*h. m.* 13 22 7 41½	*h. m.* 13 28 7 47½
Sept. 1.....	878.8	80.4	878 3	878.1	877.7	877.1	876 9	80.3	876.9	876.3	876.1	875.8
2.....	807.3	75.	806 7	806.4	806.3	805.7	805.	75.	804.5	804	803.1	802.9
4.....	867.	79.2	866.9	866.1	865.8	865.7	865.3	79.3	864.1	863.7	863.5	863.6
5.....	876.2	79.4	876.	875.7	875.2	874.8	874.3	79.3	874.	873.8	873.5	873.2
6.....	863.2	78.	862.4	861.8	861.	860.2	859.6	77.8	858.8	857.8	856.5	855.2
7.....	793.3	73.6	793.3	793.2	793.	792.8	792.3	73.4	792.	791.3	791.2	790.8
8.....	715.2	68.1	714.9	714.7	714.1	713.9	713.8	68.3	713.6	713.8	713.8	713.8
9.....	732.	69.	731.8	731.4	731.	730.7	730.8	69.	730.8	730.4	730.	729.
11.....	619.3	59.7	619.3	618.8	618.3	618.2	617.2	59 5	616.2	614.8	614.7	613.9
12.....	808.3	73.4	807.	807.7	817.5	817.3	807.	73.4	806.8	806.5	805.9	805.9
13.....	810.7	75.8	812.2	813.4	815.	816.2	817.	75.8	818.2	819.	820.2	821.4
14.....	683.6	64.9	683.4	683.	682.5	682.	681.	64 9	680.8	680.1	679.4	678.7
15.....	867.7	80.	868.2	868.7	869.	869.3	869.7	80.2	870.1	870.8	871.	871.7
16.....	843.	76.4	842.3	841.7	841.1	840.8	810.	76.3	839.	838 2	837.7	837.2
18.....	845.1	77.1	845.2	844.8	814.8	843.9	844.2	77.1	843.	842.5	841.6	841.2
19.....	888.2	79.9	886.9	885.9	884.	883.6	881.	79.7	879.5	878.1	877.	876.1
20.....	852.1	77.1	850.9	850.	848.9	847.8	846.9	77.	845.7	845.	843.9	842.8
21.....	806.	74.3	806.2	805.8	805.3	804.3	803.7	74.3	804.1	804.	803.8	803.3
22.....	865.	78.9	864.8	863.7	863.	862.9	862.4	79.	862.6	862.2	861.7	861.
23.....	746.7	70.1	746.6	746.1	745.1	744.7	743.7	70.	743.5	743.1	742.9	742.8
25.....	853.9	77.9	853.1	852.5	851.7	851.	850.7	77.8	849.9	849.	848.4	847.8
26.....	870.5	78.7	870.2	869.5	869.	868.4	867.8	78.7	867.2	866 2	865.8	865.
27.....	652 9	62.1	652.	651.	650.5	649.7	649.1	61.7	648.1	647 4	646.3	645.4
28.....	576.4	54.2	575.	574.2	573.1	572.1	571.2	54 1	570.	569.7	568.8	567.9
29.....	609.1	58.8	609.2	609.1	609.5	609.9	609.9	59.	610.1	610.1	610 4	610.8
30.....	653.2	61.2	652.5	652.3	651.4	651.	650.	61.1	649.5	649.1	648 6	647.9
Means.....	784.	72.4	783.7	783.3	783.2	782.8	781.9	72.4	781.5	781.	780.6	780.2

	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.	h. m.	Therm., Fah.	h. m.	h. m.	h. m.	h. m.	Therm., Fah.
Göttingen time	13 34		13 40	13 46	13 52	13 58	14 04		14 10	14 16	14 22	14 28	
Observatory time	7 53½		7 59½	8 05½	8 11½	8 17½	8 23½		8 29½	8 35½	8 41½	8 47½	
Sept. 1	875.3	80.2	875.2	875.4	874.9	874.8	874.9	80.3	874.7	875.	874.5	874.4	80.3
2	802.7	75.	802.6	802.2	801.2	800.5	800.4	75.1	800.3	800.6	800.9	800.7	75.2
4	863.1	79.5	863.1	863.4	863.1	863.2	863.1	79.9	863.2	863.3	863.3	863.3	80.
5	873.2	79.7	873.3	873.2	872.8	872.9	873.3	80.	872.9	872.6	872.2	873.2	80.2
6	853.8	77.8	853.	852.2	851.9	850.8	850.4	77.9	849.7	849.5	849.	848.3	77.9
7	790.9	73.3	790.6	790.	789.5	789.	788.4	73.2	787.8	787.3	786.9	786.4	73.
8	713.7	68.7	713.1	712.7	712.9	712.8	713.1	68.9	713.2	713.3	713.7	714.	69.2
9	729.	69.	728.9	728.9	728.8	728.4	728.4	69.1	728.4	728.7	728.6	728.9	69.3
11	613.3	59.3	612.6	612.	611.6	611.3	610.9	59.4	610.7	609.7	608.9	608.7	59.4
12	806.1	74.	806.	806.2	806.4	807.2	807.9	75.	808.8	810.3	811.4	813.	76.
13	822.	76.2	822.8	823.7	824.7	825.9	827.	77.	828.4	830.2	832.1	833.2	77.5
14	678.	64.8	677.7	677.1	676.3	676.2	675.9	64.8	675.5	675.8	675.9	675.3	64.8
15	872.1	80.6	872.9	873.7	874.1	875.2	876.	81.2	876.8	877.5	878.6	879.9	81.4
16	836.8	76.3	836.1	835.7	835.	834.9	834.7	76.5	834.2	834.3	834.2	834.2	76.7
18	840.2	77.1	839.8	839.4	839.1	839.1	837.5	77.1	837.4	837.7	837.2	837.4	77.3
19	875.7	79.9	875.7	874.9	874.1	874.9	874.2	80.	873.9	874.1	874.2	874.2	80.1
20	842.2	77.	841.2	840.7	839.5	838.9	838.7	77.	838.2	837.9	837.3	836.9	77.2
21	802.9	74.3	802.5	802.2	802.	801.3	801.	74.5	800.7	801.1	802.	801.7	74.8
22	860.5	78.9	860.3	860.3	859.9	859.6	859.6	78.9	859.5	859.3	860.	860.	78.9
23	742.3	70.	742.	741.3	740.6	740.4	739.8	70.1	739.2	739.4	739.3	739.2	70.1
25	847.7	77.9	847.3	847.1	847.	846.8	846.5	78.1	846.4	846.4	846.5	846.7	78.3
26	864.3	78.7	863.7	863.2	862.8	862.5	862.	78.8	861.8	861.9	862.2	862.3	78.6
27	644.	61.6	643.5	642.3	641.9	641.4	640.9	61.4	640.5	639.9	639.4	639.9	61.4
28	567.4	54.2	567.1	566.5	566.2	566.	566.	54.4	565.4	565.7	565.3	565.1	*54.5
29	610.9	59.2	611.1	611.2	611.2	611.6	611.5	59.8	611.6	611.9	612.2	612.7	60.3
30	647.5	61.1	647.3	646.8	646.4	646.4	646.	61.1	645.3	645.1	645.5	645.5	61.3
Means	779.8	72.5	779.6	779.3	779.	779.	778.8	72.7	778.7	778.8	778.9	779.	72.8
Reduced to 32° Fah.	233.1		232.3	231.5	230.7	230.2	229.4		228.9	228.6	228.4	228.2	

* Supplied.

Göttingen time Observatory time	*h. m.* 6 00 0 19½	*h. m.* 6 06 0 25½	*h. m.* 6 12 0 31½	*h. m.* 6 18 0 37½	*h. m.* 6 24 0 43½	*h. m.* 6 30 0 49½	*h. m.* 6 36 0 55½	*h. m.* 6 42 1 01½	*h. m.* 6 48 1 07½	*h. m.* 6 51 1 13½
Oct. 2	539.8	539.9	540.2	*540 9	541.	541.9	541.1	541.4	542.7	539.5
3	545.5	546.	542.6	538.5	539 2	539.1	546.4	547.6	548.2	548.5
4	545.	546.6	546.8	546.8	546.6	546.9	547 1	547.	548.9	*549.4
5	553.1	552.3	552.8	552	551.4	551.1	*550.8	549.7	549.6	549.5
6	541.2	540.7	540.	541.2	539.8	539.6	539.2	538.9	539.3	539.6
7	534.5	535.	535 6	535.	536.5	536.7	537.8	538.1	537.9	538 3
9	.....	.....	.....	.....	.....	542.2	540.8	540.4	542.6	543 6
10	543.3	542.6	543.4	545.9	542.9	542.7	542.1	543.1	542.8	542.9
11	542.7	541.3	542 7	542.3	542.1	541.6	542.1	541.6	541.8	543.6
12	542.7	541.9	542.5	542.	542.1	541.8	541.5	542.4	542.8	542.5
13	543.7	543.1	543.6	544.7	546.3	546.	546.3	*547.7	547.7	546.7
14	544.7	543 8	543 1	542.4	542.2	542.1	542.2	541.1	541.9	542.2
16	541.4	539.4	536.6	534.8	535.2	536.6	538.5	539.4	539.	541.3
17	543.3	543.9	543.9	543.6	542.9	541.	541.1	513.4	510 6	543.5
18	535.1	534.8	535.9	537.6	540.5	540.6	543 9	542.9	540.3	544.3
19	542.2	541.3	540.9	540.8	540.1	540.2	510.	540.1	540.2	539.7
20	543.3	549.8	549.8	549.	548.	548.8	552.4	553.9	552.2	545.8
21	536.2	536.1	536.2	535.4	535.2	535.5	536.1	536.1	535.8	535.8
23	541.9	542 1	540.	540.6	541.5	542.4	541.4	541.5	540.3	541.
24	540.3	539.5	539.9	539.7	540.6	539.6	540.2	540.	538.9	539.1
25	540.1	540 8	541.7	541.8	542.	542.	541.9	541.6	540.6	540.8
26	538.9	538.3	538.4	538.1	538.	538.2	538.3	538.2	539.6	541.2
27	542 8	542.2	542.3	540.	537.	535.7	532.9	532.3	532.3	530.
28	535.7	534.5	535.	536.	537.2	537.	535.8	535.2	535.3	536.1
30	538.1	538.	538 7	538.9	539.4	539.5	539.	539.2	539.	538.9
31	536.2	535.6	535.9	537.	536.7	536.9	536.9	537.5	536.9	536.5
Means	541.4	541.3	541.2	541.1	541.1	541.	541.4	541.6	541.5	541.5

	h. m. 7 00 1 19½	h. m. 7 06 1 25½	h. m. 7 12 1 31½	h. m. 7 18 1 37½	h. m. 7 24 1 43½	h. m. 7 30 1 49½	h. m. 7 36 1 55½	h. m. 7 42 2 01½	h. m. 7 48 2 07½	h. m. 7 54 2 13½
Oct. 2	537.9	536.8	537.1	538 5	539.5	540.7	542 4	543.8	542.2	540.6
3	549.	*547.4	546.6	545.	546.9	547.	550.	551.2	553.	556.2
4	549.2	549.3	548.1	547.9	548.6	548.5	547.3	548.3	548.1	548.1
5	518.5	546.4	547.	546.	545.7	547.	548.7	*552.8	554.2	555.5
6	539.8	539.	539.4	539.2	539.3	539.3	539.4	538.8	538.4	539.7
7	538.6	538.4	539.1	539.5	539.7	539.3	539.1	539.4	539.	539.3
9	*542.7	542 8	542.5	541.2	510 2	540.8	541.1	540.7	541.6	541.6
10	543.2	543.1	542.3	542 3	543.	544.7	546 2	545.2	545.6	545.1
11	541.5	541.1	541.7	541.4	541.6	541.4	541 8	542.2	542.7	543.3
12	542.4	542.3	542.2	541.9	541.4	541.6	540.8	540.9	541.2	540.7
13	546.	514.7	544.9	545.3	544.7	514.5	544 6	544.8	543.5	542.7
14	542.	513.2	542.9	513.1	542.9	542.7	549.2	546.6	545.3	545.8
16	543.4	545.9	547.8	546.	538.6	530.3	526.1	525.9	527.7	527.8
17	543 9	544.	544.1	544.6	543.7	544.3	544.6	544.2	539.7	540.2
18	544.5	542.9	514.	544.1	544.1	541.	538.1	537.	537.9	537.2
19	510.	540.1	541.2	540.8	541.8	540.6	540.1	539.9	539.9	539.9
20	542.6	539.8	539.4	540.9	546.2	549.	548.8	546.5	546.3	516.2
21	535 1	535.	539.9	537.8	537.5	537.8	537.6	537.5	536.6	537.7
23	541.2	541.3	541.4	541.8	541.5	541.7	542.	541.9	541.5	542.
24	539.1	538.6	539.	538.1	538 1	538.5	538.5	538.2	538.3	538.2
25	540.	539.9	540.	541.	541.9	540.4	541 9	541.9	541.9	540.7
26	536.4	534.6	534.1	537.5	540.	540.	540.1	539.9	538.2	538.3
27	530.	530 2	531.7	533.5	534.5	534.9	535.1	534.1	534.9	534.5
28	535.9	534.4	534.	532.8	533.	533.2	533.	533.9	534 1	534.8
30	538.5	538.9	538.7	538.9	538.7	538.5	538.7	538.2	538.1	538.
31	536.2	536.1	536.3	536.3	536.1	535.6	535.4	535.5	535.3	535.4
Means	541.1	540.6	541.	541.	541.1	540.9	541.	541.1	541.	541.1

* One minute late.

Göttingen time Observatory time	*h. m.* 18 00 12 19½	*h. m.* 18 06 22 25½	*h. m.* 18 12 12 31½	*h. m.* 18 18 12 37½	*h. m.* 18 24 12 43½	*h. m.* 18 30 12 49½	*h. m.* 18 36 12 55½	*h. m.* 18 42 13 01½	*h. m.* 18 48 13 07½	*h. m.* 18 54 13 13½
Oct. 2	540.2	539.4	539.	538.8	538.5	538.5	538.5	538.4	538.3	538.2
3	540.6	540.5	540.2	†540.1	539.9	540.	540.1	540.2	540.	540.
4	539.9	540.1	540.3	539.9	540.1	540.3	540.5	540.2	541.1	541.3
5	531.2	531.3	531.6	531.8	532.2	531.2	530.5	530.	530.9	531.3
6	529.5	529.4	529.3	529.2	529.7	529.9	529.8	530.	‖530.3	530.3
7	529.7	529 3	529.	529.	528.9	529.2	529.4	529.5	529.7	529.5
9	532.3	534.3	534.7	534.	533.9	533.7	533.9	533.7	533.7	534.2
10	536.3	535.7	535.2	535.3	†534.7	534.2	534.6	534.7	535.9	534.
11	535.9	535.3	534.5	534.7	534.5	533.6	533.9	534.2	534.1	533.8
12	535.2	535.	535.2	534.7	534.9	534 3	534.	533.2	533.2	533.1
13	536.2	535.6	535.5	535.4	534.5	533.9	534.6	533.8	534.2	533.
14	539.5	538.1	537.7	537.3	536.4	535.	535.3	535.4	535.3	535.
16	540.3	539.7	†540.3	539.6	538.4	538.2	536.6	‡535.2	535.1	535.9
*17	536.2	535 5	536.8	536.4	536.6	537.4	538.7	§538.5	538.3	540.
18	539.8	539.3	539.2	538.6	538 2	538.5	538.9	538.8	538.3	539.1
19	541.4	541.4	541.5	541.5	541.6	541.3	541.2	541.1	540.8	540.6
20	534.2	533.8	533.4	533.	532.4	531.8	531.5	531.4	531.6	531.5
21	534.3	534.2	533.8	534.	534.	533.9	533.8	533.7	533.6	533.8
23	530.	530.	529.7	530.	529.7	529.7	529.5	529.5	530.9	530.5
24	531.6	531.4	530.8	531.5	531.5	531.2	531.2	530.4	530.4	530.2
25	534.7	534.1	534.1	534.1	534.7	534.2	534.9	534.4	534.5	534.4
26	528.6	528.4	527.1	526.6	526.9	525.	524.5	524.2	524.	523.7
27	533.5	533.5	533.6	533.6	533.8	533.8	534.1	533.2	533.4	533.
28	530.4	530.	529.9	529.4	529.2	529.2	529.3	528.9	528.6	†528.5
30	533.8	533.1	533.5	533.2	533.0	533.8	533.3	532.7	532.9	532.5
31	532.2	532.3	532.4	532.5	532.3	532.2	532.5	532.9	532.3	531.7
Means	534.9	534.6	534.4	534.4	534.3	534.	534.	533.6	534.6	534.6

* One [illegible] ... [illegible] ... § Supplied. ‖ Thirty [illegible] ...

	h. m. 2 00 20 19½	h. m. 2 06 20 25½	h. m. 2 12 20 31½	h. m. 2 18 20 37½	h. m. 2 24 20 43½	h. m. 2 30 20 49½	h. m. 2 36 20 55½	h. m. 2 42 21 01½	h. m. 2 48 21 07½	h. m. 2 54 21 13½
Oct. 2	541.4	541.4	541.1	541.4	541.2	541.3	541.5	541.2	541.3	541.2
3	539.7	541.	542.3	542.3	542.2	541.8	541.9	541.9	541.2	540.6
4	544.5	545.	544.9	545.3	546.9	548.	555.3	559.4	561.6	561.5
5	550.8	560.6	566.	565.5	564.8	564.1	563.6	564.1	562.7	559.6
6	539.	538.5	538.9	540.	540.3	542.6	*544.	544.2	543.2	540.9
7	538.3	537.6	538.2	538.3	538.3	538.3	538.6	538.5	539.2	540.
9	542.5	542.5	542.8	542.6	542.9	543.	543.	543.1	542.6	542.4
10	543.4	543.1	543.2	542.2	542.6	543.3	543.4	543.2	543.2	543.1
11	542.1	542.9	541.6	542.1	541.4	541.6	541.6	541.9	542.1	541.9
12	544.5	544.3	541.8	541.1	541.	540.9	543.	543.4	547.8	549.
13	542.4	543.1	543.8	544.2	542.8	542.8	[illegible]4	541.8	541.4	541.4
14	544.7	540.9	545.5	547.	545.7	544.2	[illegible]9	543.9	543.5	545.1
16	543.6	542.7	542.8	542.4	541.4	541.5	[illegible].6	540.	541.3	543.
17	544.2	543.9	543.1	543.7	545.4	544.9	544.9	544.3	543.4	543.3
18	542.8	543.1	543.5	543.7	547.4	553.7	555.4	551.8	552.3	550.8
19	543.6	.....	.....	542.4	542.	542.2	542.	541.2	541.7	543.
20	535.1	534.8	534.8	535.6	536.4	535.2	535.5	535.4	535.	536.1
21	539.2	538.9	538.6	538.3	538.3	538.5	538.5	538.6	538.4	538.4
23	536.3	536.2	536.3	536.3	536.5	536.6	536.6	536.8	537.9	537.6
24	538.1	538.2	538.4	538.5	538.6	538.5	538.9	539.6	540.9	540.7
25	538.3	538.	538.4	539.	538.4	538.3	539.	540.	538.5	539.3
26	546.5	546.7	546.4	546.6	544.8	543.6	543.6	543.2	543.8	542.9
27	540.1	539.2	539.4	539.	539.	539.1	539.8	540.1	539.3	539.3
28	539.1	539.1	539.6	539.4	539.3	538.5	537.8	537.9	3	
30	540.9	540.1	539.2	539.4	539.2	539.1	538.8	538.9	9	8
31	550.	549.4	548.9	547.4	544.7	542.	540.4	540.9	4	9
Means	542.	542.	542.4	542.4	542.4	542.4	542.9	542.9	543.	543.

* One minute soon.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Oct. 2	541.7	541.2	541.3	541.4	540.9	540.6	540.6	540.2	540.5	541.
3	541.1	542.5	542.1	541.3	541.5	541.3	540.6	542.5	536.6	537.6
4	560.5	557.9	555 7	554.8	553.9	552.3	551.	544.3	546.6	545.1
5	557.4	554.9	555.1	553 8	551.6	549.6	546.5	544.2	544.3	543.8
6	540.5	540.7	541.	541.8	539.9	537.9	536.2	537.5	538.4	538 6
7	542.	543.1	542.9	542.1	540.	539.2	538 9	538.3	538.3	537.3
9	542.2	542.2	542.5	542.6	542.8	542 6	542.7	543.8	543.	543.5
10	543.3	543.	543.3	543.2	543.1	543.	543 5	542.9	542.2	542.9
11	541.7	541.7	541.6	542.4	541.7	542.	542.7	541.4	542.1	541.6
12	551.3	548.8	545.6	544.1	543.	542.6	541.1	542.5	540.7	541.4
13	540.8	541.2	544.6	548.5	548.3	549.8	550.5	550.9	549.2	547.
14	545.6	545.9	543.9	542.6	542 8	542.2	543.1	543.4	543.5	544.
16	543.7	544.2	543.7	544.4	542.9	543.2	542.5	542.8	543.6	543.2
17	543.5	544.6	543.8	543.5	543.6	542.2	542.9	542.8	542.5	541.8
18	551.3	554.8	558.5	561.8	562.6	563.2	561.8	559.3	556.9	555.
19	542.5	543.7	545.5	548.4	551.4	551.4	551.9	551.9	552.5	553.
20	547.7	556.6	554.	549.9	547.1	543.7	541.	538.9	538.5	537.7
21	540.3	542.	542.8	*541.5	540.2	539.3	539.3	539.	539.6	539.4
23	537.2	537.5	537.5	538.4	538.5	537.9	537.7	537.6	538.9	537.
24	541.9	543.4	543.5	542.8	541.9	540.8	540.7	542.1	542.8	542.1
25	538.7	539.	538.4	538.4	539.2	539 4	540.5	541.6	542.3	542.9
26	543.4	544.4	544.6	544.5	544.7	544.2	543.7	544.6	543.8	543.6
27	539.1	539.5	540.4	540.5	540.9	540.	539.7	541.	539.6	538.8
28	538.1	538.	538.1	538.4	538.2	538.5	538.8	538.6	538.4	538.1
30	538.3	538.	539.9	540.1	540.3	540.2	540.	539.	539.4	539.3
31	540.4	539.4	539.4	540.1	540.6	541.2	†541.6	542.9	541.2	540.9
Means	543.6	544.2	544.2	544.3	543.9	543.4	543.	543.8	543.5	543.1

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
...e	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
...n time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Oct. 2	544.5	544.3	543.9	544.4	544.4	543.8	544.1	543.4	544.1	543.9
3	548.8	549.4	549.5	549.1	549.6	549.7	550.1	549.7	549.2	549.2
4	549.7	551.2	551.5	551.8	550.9	552.	553.1	552.3	553.1	551.9
5	550.4	549.6	549.6	547.7	546.9	547.5	548.7	549.	548.5	547.9
6	544.1	544.3	544.6	545.6	545.8	546.3	546.9	546.6	547.7	547.3
7	545.5	545.1	546.4	547.4	548.5	548.5	548.6	547.8	548.6	549.1
9	551.1	551.	551.3	552.1	553.6	554.1	554.2	554.3	554.6	554.5
10	547.2	552.9	552.5	552.1	553.4	550.7	550.3	548.5	550.1	551.9
11	546.5	545.9	546.4	546.7	547.1	547.9	547.3	548.2	547.4	547.6
12	544.5	544.2	544.5	545.	544.8	544.7	544.5	543.6	544.2	544.
13	546.4	545.6	546.6	546.1	547.9	548.6	549.1	549.8	549.1	549.4
14	549.1	548.1	548.7	551.6	551.	551.3	552.8	551.8	552.4	552.4
16	547.7	546.5	549.7	548.6	548.9	549.5	549.	548.4	548.	548.8
17	543.8	542.	540.8	540.5	538.9	537.6	539.3	534.5	532.1	532.
18	547.5	546.9	546.9	548.	547.8	547.7	547.6	547.5	546.6	546.
19	546.8	546.9	546.7	547.2	546.6	547.4	548.1	548.5	548.2	547.8
20	545.8	546.	548.	547.1	546.5	546.9	547.7	546.	548.6	548.5
21	545.	544.5	545.	544.7	544.6	545.	544.4	544.9	545.1	544.6
23	547.3	547.7	547.9	547.8	547.9	548.1	547.3	547.2	547.9	547.1
24	543.2	542.	541.9	542.2	540.8	540.8	541.1	540.9	540.5	540.4
25	548.4	547.4	547.9	548.1	548.6	549.4	548.6	549.7	549.5	549.1
26	544.5	542.9	544.1	543.8	544.2	545.4	546.3	547.3	546.1	546.
27	534.7	535.3	536.1	536.5	538.	539.4	540.4	542.4	54[illegible]	
28	542.7	542.9	542.8	543.3	542.5	544.4	543.8	544.3	54[illegible]	
30	544.9	545.3	544.8	542.8	543.2	543.6	543.8	544.8	54[illegible]	
31	545.3	544.	542.8	543.2	542.4	542.7	541.8	541.5	54[illegible]	
Means	546.	545.8	546.2	546.3	546.3	546.7	546.9	546.7	546.[illegible]	[illegible]8

Göttingen time Observatory time	*h. m.* 11 32 5 51½	Therm., Fah.	*h. m.* 11 38 5 57½	*h. m.* 11 44 6 03½	*h. m.* 11 50 6 09½	*h. m.* 11 56 6 15½	*h. m.* 12 02 6 21½	Therm., Fah.	*h. m.* 12 08 6 27½	*h. m.* 12 14 6 33½	*h. m.* 12 20 6 39½	*h. m.* 12 26 6 45½	Therm., Fah.
Oct. 2	983.2	67.7	983.6	984.7	984.8	984.8	984.	67.7	983.3	983.7	983.	985.1	67.8
3	991.3	65.	986.6	981.7	978.2	972.9	970.3	64.7	966.7	969.8	973.5	976.4	64.5
4	974.2	66.3	971.4	974.6	975.	973.1	972.9	66.1	970.9	969.7	971.	970.4	66.2
5	974.6	68.6	973.	974.9	970.5	968.	963.2	68.6	963.9	964.	961.	962.4	68.6
6	970.8	60.	971.1	971.1	970.7	971.6	971.6	59.7	973.1	973.7	974.	974.8	59.6
7	981.4	65.3	981.8	981.3	982.	980.4	981.2	65.3	981.4	981.1	981.6	983.	65.3
9	953.5	55.	952.4	950.8	951.5	950.6	949.3	55.	950 3	952.6	952.1	952.2	55.6
10	978.3	70.1	977.4	974.5	980.5	983.5	982.3	69.3	982.3	984.6	*983.	981.1	69.
11	973.7	71.3	973.7	973.8	973.	971.2	971.4	71.2	973.	971.8	971.9	971.9	71.2
12	977.2	71.9	978.2	978.6	979.2	979.5	978.3	72.	980.4	978.7	978.4	981.3	72.
13	982.2	73.	981.	980.2	982.4	983.3	981.6	73.	978.7	981.6	979.7	982.8	73.1
14	973.5	64.2	971.2	972.8	973.4	973.	972.6	63.6	971.5	971.5	971.5	970.5	63.4
16	988.5	61.9	991.7	995.9	989.8	992.1	992.2	62.1	991.7	992.6	987.9	988.9	62.3
17	977.9	62.7	975.7	979.6	974.9	977.3	977.8	62.	978.3	976 7	978.2	976.5	62.
18	979.6	60.5	977.2	978.8	978.9	979.	978.7	59.8	975.5	975.7	975.5	971.9	59.7
19	989.2	65.4	984.2	990.	990.	988.8	989.	65.	988.7	988.	986.7	988.1	65.
20	980.5	62.3	985.5	982.2	981.	979 1	975.2	61.7	978.4	973.1	974.3	974.3	61.7
21	1009.6	71.5	1009.3	1010.	1009.8	1009.1	1009.2	70.9	1009.8	1009.9	1010.3	1009.	70.7
23	963.5	52.8	963.8	965.3	966.4	965.1	964.3	52.5	964.	963.9	963.3	961.6	52.3
24	969.5	58.8	969.5	969.9	970.2	969.2	969.9	58.5	971.3	972.1	972.7	974.5	58.3
25	983.1	65.2	986.1	985.8	984.5	986.4	988.9	65.	987.5	986.2	987.9	989.2	64.8
26	1024.6	67.2	1018.4	1016.5	1006.8	1000.6	999.4	66.8	999.3	996.5	992.8	993.	66.4
27	980.1	62.3	980.8	980.8	982.8	983.2	983.2	62.3	985.2	986.7	986.2	995.	62.6
28	981.8	62.	982.3	984.1	982.8	985.6	986.6	62.	988.	988.3	987.4	985.8	61.9
30	982.3	60.3	980.	981.	981.1	982.2	981.7	60.1	981.2	981.2	983.	985.	59.9
31	965.4	*57.5	964.6	962.9	962.4	961.5	963.1	57.	963.	961.8	962.	962.8	56.7
Means	980.4	64.2	979.8	979.7	979.3	978.9	978.4	63.9	978.1	978.2	978.	978.7	63.9
Reduced to 32° Fah	909.6		909.2	909.2	908.9	908.6	908.2		907.9	908.	907.8	908.5	

* Estimated.

	h. m. 21 02 15 21½	Therm. Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm. Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
Oct. 2	987.7	71.7	983.8	982.6	986.5	985.2	986.6	71.9	989.3	995.4	997.7	999.5
3	975.6	65.3	975.8	974.6	973.7	975.3	975.	65.4	976.1	975.	976.7	976.1
4	983.5	70.5	983.9	984.1	985.1	988.8	990.8	71.	989.8	988.1	986.2	985.5
5	1015.2	68.6	1010.1	1007.6	1003.1	1001.6	1003.2	68.7	998.1	998.9	995.7	993.
6	980.	67.4	980.7	981.1	983.2	984.1	986.9	67.9	986.4	986.3	987.5	988.
7	982.6	65.6	980.5	978.9	975.2	975.3	975.7	65.9	978.6	978.	978.9	978.6
9	977.9	70.9	975.8	976.6	977.5	974.	972.8	71.2	972.6	974.8	974.6	974.2
10	992.3	73.	994.	996.2	998.3	998.1	996.3	72.8	997.4	992.2	997.6	995.7
11	996.1	76.9	996.	993.1	991.8	992.7	989.7	77.1	990.5	989.8	988.8	989.
12	1005.4	76.9	1006.4	1006.	1005.3	1004.3	1004.5	77.5	1011.2	1015.8	1016.7	1017.9
13	989.7	69.4	989.3	987.7	987.6	987.9	987.5	69.6	986.6	986.4	986.6	985.7
14	988.9	65.3	987.1	982.8	979.8	980.4	977.6	65.3	975.	974.8	975.1	975.2
16	996.6	68.2	996.7	992.2	988.6	986.8	995.1	67.9	990.4	992.3	995.7	1005.3
17	977.1	66.6	976.2	*978.	976.8	†976.7	978.6	66.2	979.5	981.2	983.7	983.6
18	983.9	67.3	986.4	987.8	987.9	991.1	991.5	67.1	993.	989.1	991.3	993.
19	1001.4	67.7	1004.4	997.4	993.7	999.8	1001.1	67.9	1000.8	998.	1001.3	1000.1
20	1019.3	71.5	1015.3	1013.4	1013.7	1014.	1012.3	71.9	1013.8	1000.7	1009.3	1006.5
21	1018.8	76.	1018.8	1020.	1018.4	1018.	1017.5	76.4	1017.2	1019.	1017.5	1015.1
23	967.9	62.6	966.3	966.9	968.3	967.3	967.4	62.8	969.8	968.	969.7	969.3
24	983.5	65.4	984.	982.7	982.5	982.9	982.2	66.	983.	982.5	981.8	981.9
25	992.7	67.8	994.9	991.8	993.6	991.8	995.3	68.4	993.4	993.	993.	993.9
26	989.7	64.5	983.6	991.6	995.	994.8	994.	64.8	994.5	1000.	1007.3	1009.8
27	1002.8	67.4	1001.1	1001.3	999.7	1000.9	1000.8	67.5	999.2	998.	997.9	996.7
28	995.2	65.9	994.1	994.7	993.6	992.8	989.9	65.8	991.5	991.7	991.6	992.3
30	1008.9	65.2	1013.4	1013.6	1013.5	1011.6	1007.4	65.9	1003.4	1002.	[illegible]	[illegible].8
31	984.9	63.7	983.9	983.1	981.3	982.5	983.	63.8	980.7	980.6	[illegible]	[illegible].9
Means	992.2	68.5	991.6	990.7	990.7	990.7	990.9	68.7	990.9	990.8	991.6	991.7
Reduced to 32° F.	911.9		911.3	910.3	910.2	910.1	910.2		910.2	910.	910.7	910.8

* One minute and thirty seconds late.

† One minute late.

Göttingen time Observatory time	*h. m.* 22 02 16 21½	Therm., Fah.	*h. m.* 22 08 16 27½	*h. m.* 22 14 16 33½	*h. m.* 22 20 16 39½	*h. m.* 22 26 16 45½	*h. m.* 22 32 16 51½	Therm., Fah.	*h. m.* 22 38 16 57½	*h. m.* 22 44 17 03½	*h. m.* 22 50 17 09½	*h. m.* 22 56 17 15½	Therm., Fah.
Oct. 2	997.4	72.1	996.1	994.9	993.8	993.3	993 3	72.4	993.	992.1	992.6	994 5	72.8
3	974.6	65.4	974.6	975.3	974.6	976.1	975.6	65.4	971.6	974.8	975 5	974.9	65.4
4	981.4	71.2	982.7	984.	994.2	985.1	983.	71.4	984.1	984 6	9-3.6	982 4	71.6
5	988.8	68.7	990.6	992.4	†984.2	988.3	986.8	68.9	986 4	986.2	984 4	985.4	69.2
6	988.8	68.	993.4	1001.3	1007.6	1010.1	1009 8	68.2	1011.7	1003.3	999.8	998.1	68.5
7	978.4	65.6	*978.4	977.1	977.5	977.	978.4	65.8	§978.6	978.8	976.	976.9	65.8
9	973.9	70.7	971.7	968.3	971.5	967 3	969 1	69.9	967.9	967 6	969.3	967.2	69.7
10	996.	72.9	993.1	994.3	993.1	996.5	1000.1	73.	996.9	998.5	1001.7	999.9	73.2
11	990.6	77.4	989.1	986.6	986.7	987.9	985.8	77.8	989.9	989 8	989.4	988.1	78.2
12	1015.8	77.9	1013.2	1013.2	1013.3	1012.7	1015.7	78.3	1014.1	1014.2	1013 8	1016.	78.4
13	986.	69.8	984.1	984 2	985.4	984.1	985.	70.2	984 1	983.4	984 1	985.4	70.3
14	972.	65.2	970.6	975 2	975 5	980.	982.6	65.4	981.7	983.2	987.7	993.2	65.7
16	1016.2	67.9	1027.2	1023.6	1012.3	1006.6	1000.9	67.9	996.9	997.3	997.3	994.9	68.
17	982.3	66.	979.6	978.5	981.3	983.4	982 3	65.7	981.2	982.9	984.9	982.2	65.6
18	997.3	67.1	990.4	992.	992.6	993.	995.7	67.	998.7	995.3	1004.	1003 3	66.6
19	1000.	68.	997 1	996.2	994.5	994 9	993 8	68.1	995.5	992.5	992.	993.9	68.3
20	1007.7	72.2	1008.5	1010.	1008 9	1009.5	1010.8	71.4	1008.5	1009.2	1008.6	1008.5	72.9
21	1017.3	76.6	1019.	1018.9	1017.2	1016.2	1017.8	76.8	1017.4	1019.	‖1021.1	1017.2	76.7
23	969.7	63.1	970.8	970.8	972.2	972.3	972.8	63.8	972.	970.9	973.3	974.7	64.2
24	982.5	66.3	982 6	984.8	986.2	985.6	987.4	66.7	988 4	988.8	989.7	988.7	66.6
25	994.3	68.7	995.7	999.3	997.9	998.1	998.7	68.7	997.7	997.6	997.8	995.6	69.
26	1010.2	64.9	1010.2	1010.7	1010.2	1006.3	1008 2	61.9	1009.2	1008.2	1006.6	1004.7	64.8
27	998.	67.2	996.6	997.8	995.4	994.	995 4	67.2	996.1	995.5	996.4	995.	67.1
28	992.1	65.5	990.8	990.5	990.2	987.8	989.6	65.4	987.	988.2	987.8	987.2	65.4
30	996.1	66.1	991.9	992.6	993 9	994.2	992.1	66.3	994 7	993.9	992.2	992.5	66.4
31	978.4	63.6	978.	977 7	977.4	977.9	976.9	‡63.6	†977.	977.5	976.1	977.2	63.4

	1 02 19 21½	Fah.	19 27½	19 33½	19 39½	19 45½	19 51½		19 57½	20 03½	20 09½	20 15½
Oct. 2	1000.3	72.2	997.5	996.	992.1	991.3	990.1	71.8	995.	1000.3	1000.4	999.4
3	980.6	64.4	981.8	982.4	982.5	981.5	981.9	64.1	980.8	980.3	980.3	†981.2
4	975.8	71.1	975.8	978.6	976.9	976.1	977.	71.2	978.	978.	977.	977.3
5	986.1	67.7	986.4	988.2	990.5	995.8	998.1	67.4	1002.	1003.3	1004.2	1003.2
6	986.1	68.2	986.3	983.9	982.8	982.3	986.8	68.2	990.9	991.8	990.5	989.4
7	978.9	66.1	980.2	984.7	987.4	990.	989.5	66.1	990.2	991.	987.8	985.7
9	970.3	70.1	970.9	971.1	971.9	971.6	970.6	70.	971.8	967.2	970.9	970.8
10	982.	72.2	983.3	982.	979.2	977.7	975.7	72.2	977.1	974.7	972.5	973.3
11	996.6	76.9	995.7	997.1	998.3	995.8	997.7	76.6	995.4	996.9	995.1	994.8
12	1014.1	75.9	1015.	1016.7	1018.8	1019.5	1021.7	75.	1023.1	1024.8	1026.5	1025.8
13	992.9	68.4	993.4	993.8	991.9	989.4	990.5	68.	990.8	991.	990.6	990.2
14	1017.1	65.	1016.6	1007.9	997.2	995.8	995.2	64.9	991.7	994.6	1000.1	987.6
16	996.1	66.4	999.6	1000.4	996.9	992.	989.	66.2	986.5	986.2	984.3	985.9
17	992.6	63.6	988.9	985.	979.3	981.7	989.1	63.5	998.	997.9	999.2	995.9
18	990.8	66.	992.8	993.1	993.7	993.6	990.9	65.7	991.7	992.	992.8	992.8
19	989.9	*66.5	989.2	989.9	989.7	990.	989.5	66.4	989.6	989.8	988.6	989.5
20	1013.1	70.9	1012.4	1012.8	1009.6	1009.2	1010.6	70.9	1011.5	1010.	1007.5	1007.5
21	1018.4	75.9	1018.4	1017.	1018.5	1018.5	1017.2	75.7	1018.1	1018.9	1016.9	1018.3
23	975.	64.3	975.7	975.1	977.2	976.4	977.3	64.	976.4	976.8	978.4	977.5
24	987.9	65.9	988.8	988.3	988.4	988.1	987.8	65.4	987.6	986.4	986.	985.5
25	998.8	68.7	998.9	998.2	997.2	998.9	997.8	68.6	996.9	996.9	997.1	995.4
26	995.8	63.9	997.	999.1	993.6	988.8	991.1	63.8	992.9	988.3	992.3	990.7
27	996.9	66.4	997.8	997.3	997.7	999.1	997.3	65.9	996.7	997.3	996.7	996.7
28	990.2	63.5	990.3	991.1	988.9	988.5	988.	63.	988.9	988.1	988.2	986.5
30	1000 2	65.7	998.6	996.3	997.3	995.	996.3	65.5	996.8	995.5	995.6	994.6
31	985.1	61.8	986.3	985.3	985.8	977.7	972.2	61.5	967.6	963.9	965.3	970.1
Means	992.8	67.9	993.	992.8	991.7	990.9	991.1	67.9	991.8	991.6	991.7	991.
Reduced to 32° F.	913.8		913.8	913.6	912.6	911.8	912.1		912.9	912.9	913.2	912.7

* Supplied.

† One minute late.

Göttingen time Observatory time	*h. m.* 2 02 20 21½	Therm., Fah.	*h. m.* 2 08 20 27½	*h. m.* 2 14 20 33½	*h. m.* 2 20 20 39½	*h. m.* 2 26 20 45½	*h. m.* 2 32 20 51½	Therm., Fah.	*h. m.* 2 38 20 57½	*h. m.* 2 44 21 03½	*h. m.* 2 50 21 09½	*h. m.* 2 56 21 15½	Therm., Fah.
Oct. 2	998.1	71.6	997.	996.7	994.9	995.7	993.7	71.1	996.1	996.5	995.5	995.	70.9
3	983.6	63.7	983.4	980.9	979.1	978.3	977.7	63.2	977.9	977.5	978.7	979.9	63.
4	976.2	71.4	980.2	978.3	981.1	977.3	974.8	71.4	971.8	967.8	965.6	974.3	71.5
5	1003 6	67.	983.8	971.8	971.5	974.6	979.8	66.8	985.9	990.7	996.5	1004.5	66.3
6	989.6	68.2	990.5	991.3	992.6	993.8	994.4	68.1	993.9	994.7	994.8	996.	68.2
7	986.7	66.1	986.6	986.8	988.2	989.	989.7	66.1	991.5	993.2	994.2	997.2	66.
9	969.8	69.9	970.1	979.7	971.5	968.4	968.9	70.3	969.	970.1	970.8	971.3	70.2
10	973.6	72.2	975.1	973.9	975.7	977.3	976.8	72.4	978.2	978.5	980.2	978.1	72.8
11	992.7	76.	993.8	994.	993.5	994.8	994.	75.8	993.3	992.6	992.9	991.9	75.3
12	1021.6	74.4	1023.4	1022.4	1024.	1024.1	1024.1	73.4	1019.3	1015.9	1010.6	1004.6	72.9
13	989.6	67.6	988.4	989.7	989 5	990.2	991.2	67.2	995.2	997.	997.3	999.4	67.1
14	1001.1	64.5	1000.3	997.9	993.9	991.	993.7	64.1	987.3	987.5	990.1	986.7	64.1
16	987.5	66.1	988.5	989.	986.9	986.8	986.	66.	985.2	984.5	980.3	979.3	65.9
17	998.1	63.1	997.2	992.9	991.5	986.8	980.2	63.	982.8	982.6	985.8	986.3	62.9
18	992.5	65.3	990.7	990.2	992.5	992.6	991.6	65.	991.2	994.5	995.9	999.6	64.6
19	989.8	65.8	988.2	989.6	988.2	988 4	988.7	65.2	989.3	991.2	989.9	997.	64.5
20	1006.6	70.8	1006.	1005.6	1004.1	1005.3	1005.	70.9	1005.4	1002.9	1004.	1004.8	71.
21	1017.8	75.5	1020.	1018.7	1018.7	1018.4	1017.6	75.4	1018.4	1016.6	1017.9	1016.8	75.4
23	976.7	64.	977.6	978.1	977.6	977.6	978.	63.7	978.9	976.2	978.7	979.3	63.5
24	985.9	65.2	986.	984.8	984.6	986.4	984.9	64.9	986.2	985.7	986.	987.4	64.8
25	993.7	68.7	994.	994.	994.4	994.4	993.7	68.6	994.	994.9	994.1	994.9	68.2
26	990.7	63.8	988.8	989.3	989.7	990.7	993.9	63.9	995.1	993.3	990.5	991.7	63.6
27	996.2	65.2	994.7	996.2	996.1	998.6	996.5	64.9	997.5	995.7	996.1	996.6	64.3
28	988.3	62.7	985.8	987.4	986.6	983.8	981.8	62.5	984.9	985.1	982.5	983.5	62.5
30	995.1	65.1	995.2	995.6	994.4	994.	994.5	64.9	997.5	998.5	996.8	997.7	64.2
31	976.4	61.1	980.1	979.4	976.7	978.2	981.1	61.	983.3	983.5	985.3	983.2	60.8

Göttingen time.. Observatory time	A. m. 15 32 9 51½	Therm., Fah.	A. m. 15 38 9 57½	A. m. 15 44 10 03½	A. m. 15 50 10 09½	A. m. 15 56 10 15½	A. m. 16 02 10 21½	Therm., Fah..	A. m. 16 08 10 27½	A. m. 16 14 10 33½	A. m. 16 20 10 39½	A. m. 16 26 10 45½
Oct. 2.....	990.9	68.7	993.4	§994.4	998.4	998.5	1000.9	68.8	1003.4	1000.1	997.4	996.8
3.....	988.8	64.7	986.5	986.4	986.8	986 8	986.3	64.6	985.1	985.9	986.1	986.5
4.....	984.7	68.3	983.9	983.9	984.9	983.5	984.8	68.3	985.1	984.4	984.7	983.3
5.....	992.7	68.7	990.8	993.2	995.	998.5	998.6	68.4	1002.4	1002.7	1002.7	1003.3
6.....	990.5	60.7	990.9	993.3	990.2	993.1	993.8	61.1	993.9	993.9	993.1	993.9
7.....	1019.6	65.	1019.9	1021.2	1021.1	1021.3	1020.7	65.	1021.1	1021.5	1023.5	1021.5
9.....	991.2	65.7	991.8	993.7	994.4	996.5	998.4	66.3	999.3	1000.1	1002.9	1003.
10.....	989.5	71.6	989.5	989.6	990.1	991.5	989.1	72.3	989.	990.1	991.9	989.
11.....	1000.5	73.2	1001.5	1001.4	1003.1	1002.8	1003.8	73.8	1006.3	1004.2	1003.8	1006.6
12.....	996.9	74.1	997.	1000.	997.7	999.5	998.1	74.9	1000.1	999.6	1001.7	1000.7
13.....	1001.5	72.8	999.8	999.	998.7	998.	997.7	73.	996.3	1000.3	1002.3	1007.9
14.....	†967.	61.3	970.4	970.4	969.	969.7	970.8	61.2	970.8	970.7	971.7	974.2
16.....	‡1001.	65.1	1001.4	1003.8	1003.6	1003.1	1003.2	65.2	1004.7	1006.1	1003.4	1003.9
*17.....	977.2	64.6	984.5	982.5	982.	982.7	983.6	64.7	980.1	986.5	987.3	987.9
18.....	959.4	61.7	960.8	958.2	962.	960.5	961.6	62.7	964.5	967.3	969.2	971.1
19.....	976.8	64.2	976.4	976.6	977.4	973.7	970.7	64.2	969.6	*969.8	969.	969.1
20.....	983.8	64.8	983.9	984.8	985.2	985.2	985.8	65.2	987.8	989.6	990.	989.
21.....	1021.9	70.4	1022.6	1022.3	1022.2	1023.5	1023.	70.9	1024.1	1024 7	1025.	1025.
23.....	982.1	55.3	983.	983.5	983.3	982.8	983.4	55.6	983.3	983.9	983.1	984.4
24.....	974.	58.7	974.2	975.5	976 4	976.	979.	58.7	978.3	978.9	978.4	980.
25.....	1009.3	64.5	1007.6	1008.3	1010.3	1010.1	1009.1	64.5	1009.6	1010.2	1010.	1009.2
26.....	1016.6	64.3	§1018.6	1017 2	1017.	1016.3	1017.9	63.	1019.2	1017.8	1017.2	1018.
27.....	1008.8	64.4	1008.4	1007.5	1009.5	1009.3	1011.1	64.7	1009.9	1011.8	1010.5	1011.
28.....	1001.9	62.1	999.6	1001.6	1001.9	1002.9	1004.6	62.4	1004.3	1005.3	1005.4	1008.2
30.....	990.6	62.7	990.5	990.8	991.7	998.	993.8	63.2	1000.3	999.6	1000.1	1000.3
31.....	975.2	56.9	973.8	975.7	975.1	975.5	975.6	57.3	974.6	975.4	977.7	981.1
Means.....	992.	65.2	992.3	992.8	993.5	993.4	994.3	65.4	994.7	994.6	995.3	996.3
Reduced to 32° F.	919.		919.2	919.6	920.2	920.	920.8		921.	920.7	921.2	922.

* See disturbance observations. † One minute and thirty seconds late. ‡ Two minutes late. § One minute late.

Göttingen time Observatory time	*h. m.* 16 32 10 51½	Therm., Fah.	*h. m.* 16 38 10 57½	*h. m.* 16 44 11 03½	*h. m.* 16 50 11 09½	*h. m.* 16 56 11 15½	*h. m.* 17 02 11 21½	Therm., Fah.	*h. m.* 17 08 11 27½	*h. m.* 17 14 11 33½	*h. m.* 17 20 11 39½	*h. m.* 17 26 11 45½	Therm., Fah.
Oct. 2	997.3	69.1	996.6	995.8	995.7	993.9	992 3	69.4	993.	993 3	990.4	987.3	69.6
3	984.	65.	†.....	.....	.....	.....	985.5	65.	.....	.....	.....	.....	‖65.
4	983.	68.3	984.5	979.7	982.9	979.9	980.1	68.5	978.	982.5	983.2	984.7	68.7
5	1006.6	68.2	1010.6	1012.1	1011.	1017.7	1022.2	68.1	1022.4	1021.7	1023.1	1024.9	68.
6	993.1	61.7	993 2	992.7	991.6	990.8	992.2	62.2	991.1	990.7	991.4	990.3	62.7
7	1021.7	65.1	1019.3	1019.1	1019.2	1019.2	1016.8	65.2	1015.4	1014.1	1013.7	1013.	65.1
9	1003.5	67.4	1005.7	1004.2	1004.	1003.	1006.7	68.1	1006.1	1006.4	1005.4	.....	‖68.5
10	988.7	72.9	992.	990.4	§991.2	991.2	991.1	73.4	990.7	991.9	989.6	990.2	73.5
11	1006.8	74.2	1007.7	1008 8	1009.2	1009.	1009.	74.8	1010.2	1007.9	1009.2	**.....	‖75.1
12	1002.3	75.6	1002.	1002.4	1000.1	1001.7	1000.3	76.1	1000.6	1000.1	1005 1	.....	76.5
13	1006 9	73.4	1006.1	1005.3	1006.6	1004.	1002.9	73.5	1005.	1004.3	1007.7	.....	73.7
14	973.3	61.5	975.8	973.3	975.7	975.5	976.7	62.	976.	979.7	980.5	.....	62.7
16	1002.5	65.8	1008 1	1010.2	1012.7	1007.	1006.1	66.1	1009.	1008.	1010.5	1006.7	66.5
*17	987.	64.8	988.4	997.	995.7	994.1	990.5	65.2	986.6	982.3	985.1	983.	65.5
18	969.1	64.1	‡969.4	968.9	971.3	966.1	966.9	65.5	‖968.	969 3	¶972.5	**.....	66.4
19	967.5	64.3	968.6	969.7	971.4	975.2	974.7	64.2	981.9	983.1	984.3	983.5	64.5
20	989.6	65.7	991.9	994.4	995.9	997.1	999.5	66.4	999.9	1002.	1000.4	**.....	66.9
21	1025.1	71.7	1024.7	1024.3	1025.1	1024.	1024.5	72.6	1027.2	1026.9	¶1028.6	.....	73.2
23	983.7	56.5	983.6	984.3	984.9	984 6	984.4	57.8	984.9	985.	986.6	.....	58.6
24	980.4	59.	980.6	978.8	979.1	981.1	980.3	59.8	981.3	980.9	980.4	.....	60.4
25	1008.8	64.5	1008.4	1007.4	1005.6	1005.7	1003·7	64.4	1002.9	1003.2	1000.1	999.2	64.6
26	1018.	62.8	1019.1	1022 8	1021.8	§1021.7	1023.2	62.7	1025.5	1024.3	1023 9	1021.3	62.6
27	1013.	64.9	1012.3	1012.4	1013.9	1013.6	1013.3	65.2	1013.7	§1014.2	1013.3	1011.6	65.4
28	1007.9	63.1	1009.	1008.1	1009.9	1008.7	1009.7	64.	1011.4	1010.9	¶1013.9	.....	64.2
30	998.5	63.5	995.6	993.7	994.8	§993.7	994.1	63.9	996.2	997.6	997.5	997.8	64.1
31	979.3	57.8	981.7	983.2	982.2	983.1	981.1	58.9	987.9	985.9	988.5	.....	59.8
Means	996.1	65.8	996.9	997.1	997.6	997.2	997.2	66.3	998.1	998.1	998.9	?	66.6
Reduced to 32° Fah.	921.7		922.3	922.3	922.6	922.	921.7		922.8	922.8	923.	?	

* Clock stopped. † Unsettled. ‡ Window opened. ** Caused by taking transits.

Göttingen time.. Observatory time.	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Oct. 2	771.6	73.2	772.1	772.4	773.3	774.1	774.7	73.5	775.3	776.2	776 8	777.4
3	704.	67.1	704.	704.2	704.3	704 7	705.	67.1	705.3	705.6	706.4	705.4
4	812.7	75.4	814.8	816.	817.	817.7	818.7	75.4	819.4	820.3	820.7	821.4
5	756 5	71.4	756.7	756.5	756.6	757.1	756.7	*71.4	*757.	757.5	758.	758.
6	712.7	69.4	714.8	715.5	716.3	717.2	718.3	69.3	718.5	720.3	720.4	721.7
7	696.4	66.2	696.6	696.6	697.1	697.2	697.3	66.3	†697.3	697.6	697.7	698.
9	819.6	74.9	819.1	818.9	818.3	817.9	817.4	74.2	816.3	816.	815.8	815.4
10	842.6	76.9	842.3	842.2	841 2	841.4	841.5	77.2	841.3	841.2	841.3	841.2
11	883.4	81.4	883.8	884.2	884.7	885.4	885.7	81.7	886.5	887.3	887.7	888.4
12	873.4	81.2	873 6	873 5	873.7	873.8	874.4	81.2	875.	875.3	875.6	‡876.1
13	792.7	74.	792.3	791.4	792.2	792.2	792.1	74.2	792.	792.	792.2	792.3
14	730.5	69.8	730.4	731.1	731.3	732 6	732 8	69.8	733.3	733.8	733.8	733.9
16	747.7	70.5	749.5	750.3	750 8	751.	751.	70.2	751.3	751.4	751.3	751.
17	758.6	69.6	757.5	755.7	751.5	753.1	752.2	68.8	750.9	749.3	748.	746.5
18	749.9	69.6	749.3	748 5	747 7	747.2	746.6	69.6	746.2	746.	745.2	744.8
19	753.5	70.6	754.4	755.4	756.2	756.7	757.5	70.6	758.2	758.7	759.5	760.3
20	803.3	75.6	804.2	805.3	806.6	807.9	808.7	75.8	809.6	808.8	810.3	*810.8
21	851.4	79.3	852.4	852.9	853.6	854.3	855 1	79.1	855.8	856.4	857.	857.4
23	715.5	67.7	716.4	717.7	719.2	720.4	721.8	68.1	723.	724 5	725.9	726.7
24	740 8	70.2	741.7	712 8	744.2	745.1	746.	70.2	746.6	747.5	748.3	748.7
25	766.5	71.4	767.4	768.7	770.2	771.	771.9	71.9	772.9	773.5	774 3	775.2
26	729.6	68.4	730.3	730.8	731.5	732.3	732.9	68.6	733.6	734 6	735.5	735.5
27	770.3	71.	770.3	770.4	770.5	770.6	770.8	70.9	771.3	771.2	771.6	771.4
28	742.4	69.4	742 3	742 3	742.3	742.3	742.3	69.1	742.1	741.9	741.8	741.9
30	726.5	69.	727.2	727.6	728.6	729.4	730.3	69.1	730.8	731.8	732.7	733.1
31	728 6	68.4	728.6	729.2	729 6	730.	730.2	68.4	730.	730.3	730.5	730.5
Means	767.7	72.	768.9	769.2	769.7	770.1	770.4	72.	770,8	771.1	771.1	771.7
Reduced to 32° F.	227.7		228.9	229.2	229.7	230.1	230.4		231.3	232.1	232.6	234.4

* Supplied. † One minute late. ‡ Three minutes late.

Göttingen time Observatory time	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm., Fah.
Oct. 2	777.9	73.5	†778.6	779.5	780.3	†780.6	781.1	73.7	781.6	782.4	782.8	784.1	73.4
3	705.6	66.7	705.1	705.	704.7	704.8	705.3	66.6	†705.3	704.8	705.	705.2	66.2
4	822.	75.4	822.4	822.7	823.6	†824.1	824.5	75.2	824.7	825.1	825.2	824.9	74.7
5	758.1	71.3	757.7	757.7	758.3	758.3	758.3	71.1	758.2	758.2	758.	757.6	70.7
6	722.2	69.4	722.7	722.6	722.7	†724.3	†725.3	69.7	726.3	726.4	727.2	728.1	69.6
7	698.2	66.3	698.1	698.2	†698.6	698.7	699.2	66.4	699.2	699.3	699.4	699.6	66.5
9	814.4	73.8	813.7	813.4	813.2	812.3	811.1	73.4	810.5	809.6	808.6	807.7	73.7
10	841.1	77.1	841.2	841.4	841.5	842.1	842.2	77.1	842.9	843.2	813.5	843.9	76.6
11	888.8	81.9	889.2	890.2	890.5	891.2	892.2	81.8	892.4	892.9	893.6	893.7	81.4
12	876.3	81.1	876.2	876.4	876.4	877.2	877.5	80.6	877.7	877.7	878.	878.2	*80.2
13	792.3	74.3	792.4	793.1	794.	794.4	795.2	74.	795.7	795.8	796.5	797.3	73.4
14	733.5	69.7	733.9	‡733.9	733.9	735.2	736.4	69.8	737.1	737.	736.9	736.4	69.4
16	751.	69.8	751.	750.7	750.3	750.3	750.5	69.9	750.9	751.	750.8	750.5	69.4
17	744.3	68.	742.5	†740.5	739.5	738.2	736.8	67.5	734.9	734.1	732.6	731.9	67.2
18	744.8	69.1	743.7	743.5	742.9	742.5	741.7	68.9	741.2	740.6	740.5	739.7	68.8
19	760.7	70.3	760.8	†760.8	760.9	761.4	761.6	71.	761.7	761.9	762.	762.	70.6
20	811.2	75.3	812.3	811.8	811.9	811.8	811.8	74.8	811.6	811.6	811.2	811.	74.2
21	857.5	*79.	858.1	858.4	858.5	†858.5	858.9	78.9	858.7	859.3	859.4	859.8	78.6
23	727.7	68.3	728.3	‡730.2	†731.1	731.6	732.7	68.6	733.9	734.7	735.5	736.7	68.7
24	719.4	70.2	749.5	750.4	751.5	752.4	752.3	69.9	752.9	752.6	752.3	752.3	69.4
25	775.7	72.	776.2	776.9	777.3	777.6	778.4	72.	778.8	779.5	779.8	779.7	71.9
26	735.3	68.4	735.5	735.2	735.3	735.4	735.6	68.4	736.	736.3	736.3	735.9	68.3
27	771.5	71.	771.4	771.5	771.5	771.6	771.7	70.9	†771.6	771.5	†771.3	771.4	70.6
28	741.8	68.9	†741.7	741.4	741.3	741.	740.6	68.3	740.2	739.6	739.	738.	67.9
30	732.2	69.	732.1	732.5	732.8	733.3	733.4	68.9	733.9	734.8	734.3	734.7	68.8
31	730.5	68.	730.5	730.5	730.5	730.3	729.8	67.2	729.2	728.7	728.5	727.5	66.7
Means	771.7	71.8	771.7	771.9	772.1	772.3	772.5	71.3	772.6	772.6	772.6	772.6	71.4
Reduced to 32° Fah.	234.4		235.7	237.2	238.8	240.4	242.		241.9	241.5	241.1	240.7	

‡ Two minutes late.

Göttingen time.. Observatory time.	A. m. 12 34 6 53½	Therm., Fah.	A. m. 12 40 6 59½	A. m. 12 46 7 05½	A. m. 12 52 7 11½	A. m. 12 58 7 17½	A. m. 13 04 7 23½	Therm., Fah.	A. m. 13 10 7 29½	A. m. 13 16 7 35½	A. m. 13 22 7 41½	A. m. 13 28 7 47½
Oct. 2.....	723.5	68.	723.5	723.5	723.5	723.5	723.5	68.1	723.3	723.5	723.6	723.6
3.....	713.3	65.7	712.	710.9	709.8	708.5	707.5	65.8	706.6	705.9	705.4	704.9
4.....	772.1	70.	771.4	770.5	770.1	769.6	769.5	70.6	769.5	769.7	770.	770.7
5.....	813.2	72.9	812.1	811.5	811.1	810.5	810.	73.2	809.8	809.4	809.	808.6
6.....	642.3	61.3	641.7	641.5	640.5	640.2	639.7	61.3	639.	638 7	638.4	637.9
7.....	701.	66.2	700.7	700.9	700.2	700.1	700.1	66.1	699.9	699.8	699.2	698.9
9.....	599.7	59.	601.2	602.7	604.9	607.3	610.	60.5	613.1	616.8	†618.8	623.9
10.....	817.	73.	815.1	813.3	811.8	810.1	809.3	72.7	808 2	807.2	806.1	803.9
11.....	837.5	75.9	837 2	836.7	836.3	835 9	835.4	75.9	834.7	834.4	833.8	833.4
12.....	830.4	76.	830.1	829.3	828.8	828.5	827.9	75.8	827.4	827.	826.9	826.8
13.....	872.1	79.3	872.7	873.3	873.1	872.9	872.9	79.	873.8	873.5	873.9	873.7
14.....	740.2	67.3	737.9	736 1	734.6	731.4	729.1	66.8	726.9	724.8	723.1	719.8
16.....	679.8	65.1	680.9	681.2	681.2	681.6	681 6	65.6	682.3	682.5	682 7	684.2
17.....	713.9	66.	713.4	713.	712.5	712.5	711.7	66.5	712.1	711.9	712.5	711.3
18.....	668.2	62.8	668.1	668 2	668.2	667.2	666.5	62.3	665.4	665.1	663.4	661.
19.....	744 9	68.5	743.9	743.8	743.6	742.7	742.7	68.	742.	740.5	740.	739.
20.....	706.2	66.2	705.8	706.	706.1	706.	705.8	66.3	706.	*706.	706.2	705.6
21.....	827.1	71.	824.9	823.2	822.1	820.7	818.8	73.8	816 8	814.9	811.5	810.
23.....	573.6	55.1	573.3	573.2	573.3	573.2	573.2	55.6	573.1	572.9	573.8	573.9
24.....	680 2	62.3	679.6	679.2	677.9	677.2	676.8	62.1	676.3	675.5	674.4	674.
25.....	745.8	68.3	745.7	745.3	745.2	745.	744.6	68.3	744.3	744.	743.8	743.7
26.....	781.8	70.	780.4	778.1	775.8	772.6	772.2	69.6	770.4	769.1	768.1	766.4
27.....	713.6	66.4	713.2	713.3	713.3	713.5	713.1	66.5	712.9	712.3	712.2	711.9
28.....	712.	66.	711.7	711.6	711.3	710.9	710.9	66.	710.7	709.5	709.5	709.
30.....	686.	63.3	685.1	684.9	684.2	684.3	683.7	63.4	682.9	681.4	681.5	680.9
31.....	656.2	60.2	655.1	653.4	650.1	648.7	646.7	59.8	644.2	643.5	641.3	638.5
Means.....	728.9	67.3	728.3	727.8	727.3	726.7	726.3	67.3	725.8	725.3	724.9	724.4
Reduced to 32° F.	252.4		251.8	251.3	250.8	250.2	249.8		248 5	247.2	246.	244.7

* Supplied.

† One minute seen.

time.. y time.	10 22 6 53½	Fan.	6 50½	7 00½	7 11½	7 21½	7 35½	—	7 29½	7 35½	7 41½	7 47½
Oct. 2	723.5	68.	723.5	723.5	723.5	723.5	723.5	68.1	723.3	723.5	723.6	723.6
3	713.2	65.7	713.	710.9	709.8	708.5	707.5	65.8	706.6	705.9	705.4	704.9
4	772.1	70.	771.4	770.5	770.1	769.6	769.5	70.6	769.5	769.7	770.	770.7
5	813.2	72.9	813.1	811.5	811.1	810.5	810.	73.2	809.8	809.4	809.	808.6
6	642.3	61.3	641.7	641.5	640.5	640.2	639.7	61.3	639.	638 7	638.4	637.9
7	701.	66.2	700.7	700.9	700.2	700.1	700.1	66.1	699.9	699.8	699.2	698.9
9	599.7	59.	601.2	602.7	604.9	607.3	610.	60.5	613.1	616.8	†616.8	623.9
10	817.	73.	815.1	813.3	811.8	810.1	809.3	73.7	808 2	807.2	806.1	803.9
11	837.5	75.9	837 2	836.7	836.3	835 9	835.4	75.9	834.7	834.4	833.8	833.4
12	830.4	76.	830.1	829.3	828.8	828.5	827.9	75.8	827.4	827.	826.9	826.8
13	872.1	79.3	872.7	873.3	873.1	872.9	872.9	79.	873.8	873.5	873.9	873.7
14	740.2	67.3	737.9	736 1	734.6	731.4	729.1	66.8	726.9	724.8	723.1	719.8
16	679.8	65.1	680.9	681.2	681.2	681.6	681 6	65.6	682.3	682.5	682 7	684.2
17	713.9	66.	713.4	713.	712.5	712.5	711.7	66.5	712.1	711.9	713.5	711.3
18	668.2	62.8	668.1	668 2	668.2	667.2	666.5	62.3	665.4	665.1	662.4	661.
19	744 9	68.5	743.9	743.8	743.6	742.7	742.7	68.	742.	740.5	740.	739.
20	706.2	66.2	705.8	706.	706.1	706.	705.8	66.3	706.	*706.	706.2	705.6
21	827.1	71.	824.9	823.2	822.1	820.7	818.8	73.8	816 8	814.9	811.5	810.
23	573.6	55.1	573.3	573.2	573.3	573.2	573.2	55.6	573.1	572.9	573.8	572.9
24	680 2	62.3	679.6	679.2	677.9	677.2	676.8	62.1	676.3	675.5	674.4	674.
25	745.8	68.3	745.7	745.3	745.2	745.	744.6	68.3	744.3	744.	743.8	743.7
26	781.8	70.	780.4	778.1	775.8	772.6	772.2	69.6	770.4	769.1	768.1	766.4
27	713.6	66.4	713.2	713.3	713.3	713.5	713.1	66.5	712.9	712.3	712.2	711.9
28	712.	66.	711.7	711.6	711.3	710.9	710.9	66.	710.7	709.5	709.5	709.
30	686.	63.3	685.1	684.9	684.2	684.3	683.7	63.4	682.9	681.4	681.5	680.9
31	656.2	60.2	655.1	652.4	650.1	648.7	646.7	59.8	644.2	643.5	641.3	638.5
Means	728.9	67.3	728.3	727.8	727.3	726.7	726.3	67.3	725.8	725.3	724.9	724.4
Reduced to 32° F.	252.4		251.8	251.8	250.8	250.2	249.8		248 5	247.2	246.	244.7

* Supplied.

† One minute soon.

Göttingen time Observatory time	*h. m.* 13 34 7 53½	Therm., Fah.	*h. m.* 13 40 7 59½	*h. m.* 13 46 8 05½	*h. m.* 13 52 8 11½	*h. m.* 13 58 8 17½	*h. m.* 14 04 8 23½	Therm., Fah.	*h. m.* 14 10 8 29½	*h. m.* 14 16 8 35½	*h. m.* 14 22 8 41½	*h. m.* 14 28 8 47½	Therm., Fah.
Oct. 2	723.7	68.4	723.7	724.	724.2	724.7	724.9	68.7	725.3	726.1	726.9	727.	69.
3	704.5	65.7	704.2	704.1	703.8	703.2	703.3	65.8	703.2	703.2	703.2	703.1	65.9
4	771.6	71.5	772.9	773.7	774.9	776.4	777.4	72.3	778.5	780.1	781.1	783.	72.8
5	808.7	73.4	808.7	808.7	808.6	808.7	808.4	73.6	808.	807.7	808.4	808.4	73.6
6	637.1	61.5	637.	636.9	637.1	637.2	637.	61.4	637.2	637.3	637.5	637.7	61.6
7	698 6	66.1	698.3	698.1	698.1	697.9	697.8	66.1	697.7	697.7	697.7	697.7	66.
9	628.	63.1	632.1	637.3	641.9	647.4	653.	65.8	658.5	663.9	670.	676.7	67.7
10	803.2	73.2	†802.3	802.2	802.2	801.8	802.7	74.	802.8	803.6	804.9	806.4	74.8
11	833.9	76.	833.6	833.8	834.	834.	833.9	76.1	834.9	835.2	835 3	835.7	76.6
12	826.9	76.	826.6	826.8	827.1	827.5	827.9	76.6	828.9	830.5	831.7	833.	77.3
13	871.7	79.4	871.4	870.3	870.	868.7	868.	79.1	867.7	867.3	867.1	867.1	78.2
14	717.4	66.	715.8	714.2	711.7	709.9	708.6	65.7	707.2	705.8	704.2	703.3	65.5
16	684.6	66.2	685.	685.5	686.7	687.4	688.1	66.7	689.2	690.8	692.2	693.7	67.
17	712.3	67.2	711.2	711.5	712.	712.4	712.2	67.9	711.8	711.5	712.	712.5	68.2
18	659.1	62.3	658.	657.6	656.9	656.9	657.2	63.2	657.2	657.7	658.6	†659.7	63.7
19	738.	67.7	737.2	736.2	735.3	734.6	733.3	67.5	732.6	731.9	731.4	730.4	67.3
20	705.8	66.6	705.5	705.5	706.2	706.7	707.6	67.4	708.	709.1	710.8	712.2	68.2
21	808.8	73.9	806.9	805.1	804.	802.9	802.3	73.8	801.9	801.5	801.	800.8	73.5
23	573.4	56.3	573.7	574.8	575.8	576.5	577.9	57.	578.8	580.1	581.4	583.4	57.4
24	673.1	62.1	672.	671.6	670.5	670.1	669.6	62.2	669.3	669.3	669.1	669.	62.3
25	742.8	*68.2	743.2	742.7	742.4	742.4	741.7	68.	741.6	741.4	741.2	741.5	68.
26	765.4	69.2	763.6	762.5	760.6	759.9	758.3	68.8	757.3	756.6	755.2	754.2	68.4
27	711.5	66.8	712.1	712.	712.1	712.4	713.6	67.	714.	715.4	716.4	718.	67.8
28	708.4	66.	708.	707.5	707.4	707.1	706.8	66.	707.1	706.8	707.8	709.3	66.2
30	680.7	64.2	680.9	680.9	681.4	681.9	682.4	65.1	683.6	685.	686.6	688.	65.8
31	636.9	59.8	636.	635.4	634.8	633.9	633.1	59.8	632.8	632.8	632.8	633.	60.1
Means	724.1	67.6	723.8	723.8	723.8	723.9	724.2	67.9	724.4	725.	725.6	726.3	68.2
Reduced to 32° Fah.	242.5		242.4	241.6	240.8	240.1	239.6		238.8	238.4	238.	237.6	

FIRST MAXIMUM OF DECLINATION.

...time ... ...ory time	h. m. 6 00 0 19½	h. m. 6 06 0 25½	h. m. 6 12 0 31½	h. m. 6 18 0 37½	h. m. 6 24 0 43½	h. m. 6 30 0 49½	h. m. 6 36 0 55½	h. m. 6 42 1 01½	h. m. 6 48 1 07½	h. m. 6 54 1 13½
Nov. 1	538.9	538.8	536.	533.8	531.9	533.	534.2	535.	537.3	537.
2	540.9	541.7	542.5	542.	540.3	540.2	539.6	540.3	540.8	541.3
3	538.5	536.4	535.2	536.2	536.2	536.9	536.8	537.1	536.2	537.
4	536.7	536.7	537.	537.1	537.	538.5	537.4	538.	537.7	537.8
6	541.8	†542.	542.5	542.2	542.7	542.2	542.1	542.7	542.5	542.7
7	540.1	540.1	538.1	537.4	536.	536.	537.	537.	537.5	538.
8	539.9	539.7	539.8	539.9	540.2	540.	539.9	539.9	540.1	540.
9	531.9	532.1	535.5	537.	539.	540.5	542.1	543.8	545.	544.
10	539.1	538.4	538.1	538.2	538.4	539.	539.1	539.4	539.6	538.8
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	535.7	537.	540.	541.	545.	546.4	545.2	545.7	545.7	545.9
*14	536.5	535.3	534.7	534.8	534.6	535.6	535.2	†535.	534.9	535.
15	536.3	535.9	535.6	536.	536.1	537.6	537.9	537.5	537.	537.4
16	539.9	539.6	538.2	538.2	539.1	538.5	538.1	538.1	537.2	538.4
17	539.3	537.6	535.6	535.2	535.7	537.3	539.	539.3	540.6	541.5
18	537.8	538.2	538.1	538.1	538.2	538.1	538.2	538.2	538.7	538.8
20	538.7	539.3	539.2	538.5	539.	538.5	539.1	538.5	538.7	539.2
21	537.6	537.	537.2	537.	545.6	535.	534.5	534.5	534.1	534.
22	535.9	535.7	536.5	536.	536.6	536.1	534.2	534.5	536.2	536.5
23	535.5	535.2	535.5	535.2	534.5	534.5	534.5	532.3	532.2	531.5
24	534.7	534.8	534.9	535.6	535.9	536.1	534.6	534.5	534.9	535.
25	530.	529.	528.2	528.5	526.5	526.2	528.5	529.1	529.	529.
27	537.1	537.6	537.6	537.5	537.7	537.5	537.1	537.9	537.	[illegible]
28	540.6	539.9	539.6	539.5	539.	540.1	540.5	540.7	539.1	2
29	536.	535.2	535.7	535.5	536.	536.3	536.1	536.5	536.9	4
30	538.4	538.1	538.3	538.5	538.8	539.6	539.5	537.9	536.2	
Means	537.5	537.3	537.2	537.2	537.6	537.6	537.6	537.7	537.8	

* See disturbance observations.

† Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Gottingen time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Nov. 1	537.2	537.7	539.4	539.9	539.4	539.	539.5	539.3	539.	538.5
2	539.2	538.7	538.9	539.8	539.9	539.8	539.8	540.	540.	540.7
3	538.1	538.9	539.8	539.5	539.2	539.1	540.2	541.4	542.1	543.2
4	539.	538.1	538.5	538.6	538.5	538.4	538.4	539.5	538.9	540.
6	543.6	543.2	543.	543.5	543.	543.2	543.9	544.2	543.6	543.5
7	538.2	538.4	538.3	538.2	538.2	538.1	538.	538.4	538.1	538.2
8	540.	540.1	540.2	540.	540.5	540.	540.2	540.	540.5	540.
9	542.9	542.5	543.3	542.9	542.4	542.5	541.7	542.1	541.	539.4
10	538.2	539.2	539.5	540.	540.2	540.	540.	540.	540.7	540.3
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	546.	544.5	541.	543.2	541.7	540.	539.6	539.8	539.	538.4
*14	535.2	535.	534.4	534.2	534.2	†534.5	535.2	536.2	537.5	535.5
15	536.4	536.	536.3	534.5	535.2	536.3	535.	533.4	534.2	533.5
16	538.5	538.7	540.5	540.7	540.	539.	538.8	539.2	538.6	537.4
17	542.2	542.2	542.	542.1	540.7	540.	539.5	539.1	538.9	538.2
18	538.8	538.6	539.	538.7	539.	540.	539.5	539.2	540.	539.3
20	538.5	539.	529.	538.3	538.5	539.	539.1	538.8	539.	539.5
21	533.9	534.7	533.5	533.5	533.2	533.7	533.5	534.5	534.5	534.
22	536.	534.4	534.6	534.9	535.6	536.4	537.	536.5	538.	538.1
23	530.6	529.7	531.2	532.	532.1	532.9	532.8	532.7	533.2	533.1
24	535.	535.	535.	535.5	535.2	535.2	534.7	535.	535.	535.
25	529.9	528.5	528.	526.7	528.2	529.	530.5	529.7	530.5	531.
27	536.5	536.4	536.	536.1	536.	535.5	535.5	535.5	535.5	535.1
28	537.1	536.5	536.5	536.7	536.6	536.6	537.	537.	537.5	537.5
29	539.	537.7	539.5	540.	540 2	540.7	541.4	542.	541.5	540.5
30	536.4	536.	536.9	537.1	538.	538.9	538.7	538.9	538.8	538.7
Means	537.9	537.6	537.9	537.9	537.8	538.	538.	538.1	538.2	537.9

Göttingen time Observatory time	h. m. 18 00 12 19½	h. m. 18 06 12 25½	h. m. 18 12 12 31½	h. m. 18 18 12 37½	h. m. 18 24 12 43½	h. m. 18 30 12 49½	h. m. 18 36 12 55½	h. m. 18 42 13 01½	h. m. 18 48 13 07½	h. m. 18 54 13 13½
Nov. 1	535 7	535.6	535.4	534.6	534.6	534.	534.5	530.6	†530.**	**533.2
2	532.8	532.8	532.9	533.3	533.3	533.2	533.3	533.1	533.	532.7
3	531.2	531.5	†531.7	531.4	531.3	531.2	530.8	531.	530.8	530.7
4	535.2	534.9	535.	535.	535.2	534.5	534.5	534.6	534.5	534.3
6	533.8	533.6	533.2	533.3	533.2	533.2	532.8	532.9	532 7	532.7
7	531.1	531.1	‡531.3	531.3	531.3	531.2	530.6	530.8	529.6	529.5
8	536.4	536.1	536.2	536.3	535.5	534.2	533.4	‡533.7	534.1	533.8
9	533.5	533.3	533.3	533.2	533.1	533.2	533.3	533.2	533.3	533.1
10	534.5	534.1	534.	533.9	534.1	534.4	†533.9	533.8	534.5	534.1
11	532.4	532.5	532.8	532.4	532.3	532.2	531.8	531.5	531.8	531.8
*13	522.4	522.1	521 4	522.4	520.8	521.2	522.1	522.3	522.	522.2
14	528.8	528.2	528.3	527.5	526.9	526.7	526.6	526.1	526.9	527.5
15	531.3	531.7	531.8	531.1	530.1	530.	529.8	529.7	530.	529.7
16	534.3	533.9	534.2	533.4	533.4	533.6	533.5	533.3	533.	532.7
17	535.2	534.7	535.1	535.5	535.4	536.2	535.4	536.7	536.4	536.3
18	526.8	526.6	§526 9	526.8	526.8	526.9	‖527.3	‖527.3	527.8	527.8
20	529.5	529.3	529.1	528.9	528.8	528.8	528.5	†528.3	529.	528.9
21	528.	528.5	528.5	529.2	529.6	529.3	529.8	529.4	529.7	529.2
22	528.5	528.3	†529.	528.7	529.	529.	529 3	528.6	528.6	529.2
23	527.	526.9	526.8	527.3	527.5	527.9	‡528.6	528.1	528.5	528.3
24	530.9	530.6	530.4	530.2	530.7	530.5	531.	531.3	532.2	†531.7
25	526.4	526.3	526.4	526.9	526.8	526.7	527.	526.6	526.5	526.4
27	527.5	527.3	527.9	527.3	527.2	527.	527.5	526.1	526.5	
28	530.1	528.4	529.1	528.8	528 1	528.1	527.9	527.8	¶527.7	
29	536.5	536.	535.4	535.	534.8	534.7	534.9	534.8	535.1	
30	536.6	536.4	†536.1	535.9	535.5	535.4	535.	¶534.6	534.7	
Means	531.4	531.2	531.2	531.1	531.	530.9	530.9	531.	530.7	530.8

* See disturbance observations. † 1*m*. late. ‡ 24*s*. late. § 45*s*. late. ‖ 48*s*. late. ¶ 2*m*. late. ** Instrument disturbed.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54
Observatory time	20 19½	20 25½	20 31	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
Nov. 1	537.7	537.9	539.2	539.7	541.4	543.1	544.4	543 5	544.2	543.5
2	538.7	538.	537.8	538.3	538.2	537.8	537.3	537.	537.6	537.9
3	535.9	535.6	535.1	535.1	535.	535.5	535.4	535.4	535.3	535.3
4	539.	538.8	538.7	538.9	538.8	538.9	539.2	538.5	538.8	541.7
6	538.8	538.3	538.6	539.4	539.3	539.2	538.8	539.1	539.3	539.3
7	544.3	544.	543.	543.8	543.9	543.8	544.	543.9	543.4	543.3
8	559.	559.1	559.5	559.6	559.8	559.6	563.2	560.5	558.	†561.
9	538.8	538.6	538.2	537.9	538.	539.4	541.8	543.2	541.5	540.3
10	539.2	539.3	539.3	539.5	539.5	539.6	539.3	539.6	540.7	540.4
11	536.4	536.2	536.4	536.5	536.2	536.7	537.7	536.4	536.3	536.7
*13	552.	558.6	563.1	555.8	551.3	†551.	550.3	545.3	545.2	544.7
14	535.7	535.6	535.4	535.	534.4	534.2	534.5	535.8	535.3	536.
15	543.2	543.9	545.	546.6	546.6	546.	544.9	543.9	541.2	540.4
16	537.7	537.2	537.4	537.3	537.6	537.7	537.6	537.6	537.9	537.1
17	541.6	543.4	545.5	547.5	546.7	546.1	544.9	545.6	546.1	546.5
18	537.1	537.5	537.5	537.4	537.5	537.3	537.7	537.	536.8	537.
20	536.1	536.	536.4	536.3	534.2	536.6	536.1	536.8	536.5	536.5
21	536.5	536.6	536.3	536.7	536.6	537.1	536.6	537.6	536.8	537.2
22	535.	534.5	534.7	534.9	534.7	534.7	535.	534.1	534.1	534.
23	537.1	536.2	536.5	537.6	536.5	536.6	536.7	536.7	536.8	536.8
24	540.2	539.7	540.6	541.2	540 8	540.7	543.7	545.5	544.7	543 4
25	540.3	540.2	540.5	538.1	540.4	539.8	540.4	540.2	540.	539.6
27	539.4	539.3	539.4	538.9	538.6	538.9	539.2	539.6	539.3	540.3
28	536.3	536.4	536.5	536.8	536.5	536.5	536.6	537.1	536.7	537.7
29	544.3	545.1	545.	544.6	543.5	541.3	539.4	539.3	539.9	539.
30	539.5	540.8	540.4	540.1	540.	539.8	539.1	538.8	540.1	540.1
Means	540.	540.3	540.6	540.5	540.2	540.3	540.5	540.3	540.1	540.3

Göttingen time Observatory time	h. m. 2 00 21 19½	h. m. 2 06 21 25½	h. m. 2 12 21 31½	h. m. 2 18 21 37½	h. m. 2 24 21 43½	h. m. 2 30 21 49½	h. m. 2 36 21 55½	h. m. 2 42 22 01½	h. m. 2 48 22 07½	h. m. 2 54 22 13½
Nov. 1	541.6	541.5	543.3	545.	545.5	544.6	544.1	544.6	544.4	544.3
2	538.1	537.	538 4	538.3	539.1	539.4	540.8	540.8	544.1	544.5
3	535.3	535.6	535.	538.8	541.6	541.6	541.6	541.7	540.5	538.7
4	538.4	538.5	538.7	538.5	538.3	538.1	537.5	537.1	537.7	537.8
6	539.4	539.5	539 4	540.	540.1	539.3	539.8	540.1	540.1	540.7
7	541.9	542.	542.1	542.5	512.7	542.7	542.5	542.9	542.7	542.8
8	563.8	560.8	556.1	553.8	549.8	546.	542.8	542.3	542.6	541.6
9	539.3	542.5	543.4	513.7	542.3	540.9	539.9	541.4	541.4	541.9
10	540.9	541.9	542.5	542.	542.7	541.9	541.3	540.2	539.	540.
11	536.2	536.5	536.4	536.6	536.6	535.9	536.3	536.5	536.1	536.3
*13	543.2	543.	541.7	542.8	541.1	541.1	540.9	540.6	539.8	540.
14	536.3	536.9	537.8	537.7	536.8	536.7	536.4	536.5	536.3	536.9
15	539.8	539.4	538.8	537.7	536.	536.6	536.6	536.5	536.8	537.
16	537.4	537.6	538.1	538.5	538.1	537.4	537.2	537.4	537.5	537.5
17	546.6	547.2	540.6	544.9	543.8	542.8	542.6	543.1	543.9	543.
18	536.9	537.2	534.6	535.8	536.7	536 8	535.6	537.3	537.5	537.
20	537.9	537.9	537.9	537.2	537.2	537.9	537.	537.1	537.	537.1
21	536.8	537.2	536.8	536.6	536.3	536.6	536.3	536.	535.6	537.4
22	534.6	534.9	535.5	536.7	537.	536.8	534.6	532.9	533.3	531.9
23	536.7	536.2	536.6	536.6	536.9	536.9	536.7	536.8	536 6	536.3
24	542.4	539.3	539.6	540.5	540.4	539.5	538.9	539.9	540.3	539.7
25	539.9	539.8	540.	539.9	540.1	536.6	539.3	538.5	538.7	538.7
27	539.2	537.9	537.6	537.8	537.7	538.1	537.2	537.5	537.4	536.3
28	537.5	537.5	538.6	539.1	538.8	537.7	536.9	536.4	535.9	536.2
29	539.3	539.6	539.5	539.6	539.3	540.2	†539.6	540.	539.6	539.1
30	539.	539.2	540.5	540.9	540.8	540.5	540.8	541.1	541.2	541.5
Means	539.9	539.9	539.8	540.1	539.9	539.4	539.	539.	539.1	539.1

* See disturbance observations.

† One minute late.

Göttingen time Observatory time	*h. m.* 13 00 7 19½	*h. m.* 13 06 7 25½	*h. m.* 13 12 7 31½	*h. m.* 13 18 7 37½	*h. m.* 13 24 7 43½	*h. m.* 13 30 7 49½	*h. m.* 13 36 7 55½	*h. m.* 13 42 8 01½	*h. m.* 13 48 8 07½	*h. m.* 13 54 8 13½
Nov. 1	545.6	545.	542.9	542.8	541.9	541.7	541.8	542.6	542.8	543.1
2	546.5	547.7	547.1	546.6	548.4	547.8	548.	547.2	546.9	545.8
3	542.7	542.7	541.4	541.1	542.2	542.6	542.3	541.2	540.4	540.2
4	544.4	544.7	545.2	544.9	544.3	544.8	545.3	545.1	544.9	545 6
6	549.9	550.2	549.8	551.6	551.2	551.1	551.	549.6	550.4	549.6
7	546.2	545.4	545.7	546.1	545.3	544.8	544.5	545.3	545.3	545.2
8	546.1	547.2	547.4	548.1	546.7	548.	548.	547.7	548.7	548.
9	547.9	546.5	547.	546.7	547.5	547.	546.2	546.1	546 2	545.9
10	544.4	544.6	545.1	545.4	546.3	546.5	546.1	546.3	546.	546.4
11	541.6	541.9	541.8	542.1	542.2	543.	542.4	542.5	542.6	542.8
13	539.8	539.1	538.8	539.5	541.5	539.5	540.5	541.4	539.9	541.2
*14	541.7	541.5	541.4	542.5	542.	542.1	541.5	542.	541.8	540.6
15	540.	539.7	539.5	539.5	540.6	540.9	539.9	539.8	539.7	541.3
16	541.4	542.	541.3	541.6	541.4	541.	541.8	541.6	542.6	542.3
17	542.	541.6	541.2	542.	541.7	541.4	541.7	541.4	542.4	542.2
18	542.6	543.1	543.1	543.1	543.7	544.	543.6	543.4	542.9	542.2
20	542.1	542.2	542.4	542.2	542.4	542.7	542.4	542.4	541.7	541.5
21	544.7	545.5	545.4	544.7	544.1	544.6	543.3	543.9	513.9	543.6
22	541.4	540.9	542.	542.2	539.5	539.3	539.2	538.1	536.5	536.5
23	542.9	542.8	543.1	543.4	542.9	542.3	541.5	541.6	541.8	541.2
24	537.2	535.5	534.2	533.9	535.	536.	537 6	537.9	538.7	539.5
25	†540.5	‡540.5	540.6	539.9	540.2	539.7	539.1	537.7	537.3	536.5
27	542.7	541.9	542.8	542.4	543.1	542.6	540.8	539.6	539.3	538.8
28	542.8	542.6	543.5	542 7	543.2	543.6	542.9	543.6	544.	543.3
29	542.8	542.7	542.	542.6	542 7	542.5	540.6	541.7	541.5	541.4
30	540.5	541.	544.6	543.5	543.7	543.8	542.9	542.3	543.1	542.3
Means	543.1	543.	542.1	542.1	542.2	542.3	542.9	542.8	542.7	542.6

Göttingen time Observatory time	A. m. 11 38 5 51½	Therm., Fah.	A. m. 11 38 5 57½	A. m. 11 44 6 03½	A. m. 11 50 6 09½	A. m. 11 56 6 15½	A. m. 12 02 6 21½	Therm., Fah.	A. m. 12 08 6 27½	A. m. 12 14 6 33½	A. m. 12 20 6 39½	A. m. 12 26 6 45½	Therm., Fah.
Nov. 1	964.1	57.	964.7	963.7	963.	961.9	961.2	56.9	962.2	962.3	961.5	961.6	56.6
2	987.	67.	984.5	986.1	986.9	984.8	983.9	67.2	984.	986.	987.4	984.3	67.2
3	979.4	60.	977.	975.6	975.1	974.4	975.6	59.8	975.2	975.7	976.5	975.	59.8
4	961.5	55.	962.	961.7	961.3	963.4	965.3	54.6	964.5	962.1	963.4	962.	54.4
6	946.3	44.6	944.8	943.2	940.9	937.6	936.5	44.6	934.8	934.7	934.9	936.9	44.3
7	974 9	58.4	972 5	972.5	972.1	972.	971.6	58.5	973.1	974.5	974.8	976.3	58.4
8	968.	55.2	966.	967.9	967.7	968.7	971.	55.2	970.9	970.8	969.8	969.6	55.1
9	959.3	52.	957.2	957.8	954.1	959.1	960.1	51.8	961.6	962.2	965.7	966.6	51.6
10	980.4	58.7	978.7	979.6	978.1	976.3	977.7	58.5	976.4	977.4	977.2	977.5	58.3
11	982.	61.8	981.	984.5	984.	980.7	984 2	61.7	982 6	982.6	983.9	983.5	61.7
13	958.7	53.8	956.2	954.4	955.3	955.7	955.7	53.6	955.7	957.9	957.5	957.5	53.3
*14	965.7	51.3	969.	965.8	965.6	965.2	965.1	51.5	963.5	960.6	962.4	961.2	51.8
15	960.4	51.	959.	958.1	957.5	957.4	957.2	51.2	956.8	954 7	956.8	958.8	51.3
16	979.1	60.7	979.5	978.7	979.4	977.2	978.4	61.	979.	978.6	979.2	978.7	61.
17	993.3	66.	993.9	994.7	994.2	994.3	995.2	66.3	996.	996.9	994.8	995.7	66.5
18	1006.	71.7	1005.1	1005.2	1005.6	1007.7	1006.	71.5	1009.3	1007.4	1010.1	1008.5	71.4
20	970.7	54.	970.9	971.6	971.2	971.1	970.	54.1	969.6	969.6	970.5	969.9	54.5
21	999.5	70.2	998.3	1000.5	1001.	1000.5	998.1	70.3	998.8	1000.1	999.5	1000.7	70.
22	990.8	63.7	991.	990.6	990.3	991.3	989.6	63.2	991.3	993.7	994.8	994.7	63.8
23	983.2	61.6	983.1	982.9	983 8	982.5	982.6	61.	982.	983.1	984.6	983.9	†60.6
24	994.2	70.	997.1	998.9	996.7	996.7	998.	71.1	1001 5	1002.8	1004.5	1005.1	71.6
25	999.1	68.7	998.2	1000.7	1003.4	1001.5	1003.3	68.	1003.1	1002.	1002.5	1004.1	67.7
27	971.3	60.6	971.5	972.2	971.9	973.1	974.6	60.1	973.	975.1	975 2	976.4	59.5
28	953.5	53.2	955.	952.6	952.2	951.4	951.5	53.	949.7	950.1	952.4	954.2	53.
29	968.1	59.5	969.3	968.9	968.3	968.8	968.9	59.5	969.8	972.8	971.6	973.2	†59.5
30	973.	60.7	972.6	970.3	973.	972.	973.	60.4	974.6	976.5	974.6	974.9	60.1
Means	975.7	59.5	975.4	975.3	975.	974.8	975.2	59.4	975.3	975.8	976.4	976.6	59.3
Reduced to 32° Fah.	915.2		914.9	914.8	914.6	914.4	914.9		915.	915.6	916.2	916.5	

* See disturbance observations.

† Supplied.

Göttingen time.. Observatory time.	*h. m.* 21 02 15 21½	Therm., Fah.	*h. m.* 21 08 15 27½	*h. m.* 21 14 15 33½	*h. m.* 21 20 15 39½	*h. m.* 21 26 15 45½	*h. m.* 21 32 15 51½	Therm., Fah.	*h. m.* 21 38 15 57½	*h. m.* 21 44 16 03½	*h. m.* 21 50 16 09½	*h. m.* 21 56 16 15½
Nov. 1.....	979.4	62.6	981.	981.2	978.7	978.	979.7	63.	980.7	978.9	977.5	979.8
2.....	992.5	67.	991.4	989.6	987.3	991.2	995.2	67.2	997.1	995.1	995.5	994.8
3.....	977.8	61.9	975.3	976.	977.9	976.7	976.	62.	976.9	974.9	974 8	973.
4.....	956.2	59.7	956.1	957.6	957.7	959.4	959.4	59.7	959.6	†959.2	960.1	960.4
6.....	968.5	58.2	970.1	970.9	970.8	970.6	971.6	58.6	974.1	973.	970.2	971.1
7.....	982.6	59.6	981.9	980.5	980.6	979.4	978.5	59.5	977.9	975.1	976.3	976.9
8.....	979.1	58.2	979.8	979.4	979.9	979.6	981.1	58.4	978.3	981.4	982.3	982.4
9.....	971 5	55.7	971.7	970.3	970.5	969.8	968.8	55.9	969.3	968.4	971.2	969.7
10.....	982.1	61.6	981.1	980.7	981.3	982.4	981.6	62.3	982.7	982.2	981.5	982.3
11.....	992.8	65.4	993.6	992.2	993.9	990.1	993.1	65.9	991.2	991.6	989.	990.5
*13.....	1004.3	57.7	1003.2	1000.5	995.8	994.4	990.1	57.8	987.9	987.7	985.4	987.8
14.....	965.3	54.4	966.2	962.3	960.2	959.8	960.1	54.5	961.2	962.	962.2	968.4
15.....	979.7	59.8	980.	979.1	981.9	982.8	985.5	60.2	986.9	984.6	983.5	979.8
16.....	998.8	62.7	1000.1	1000.1	999.6	1001.1	1001.8	62.6	1000.3	998.5	998.2	998.3
17.....	1005.2	65.7	1004.2	1003.	1002.9	1001.7	1004.2	66.1	1003.6	1002.4	1004.2	1003.1
18.....	1010 8	74.6	1010.	1011.3	1011.3	1010.9	1012.3	74.4	1012 7	1012.9	1011.7	1010.5
20.....	982.8	65.4	984.	984.7	984.6	984 1	984.7	65.6	983.7	984.2	982.3	984.
21.....	1007.4	67.9	1007.7	1005.	1003.4	1005.2	1003.1	68.5	1003.8	1003.1	1003.9	1004.8
22.....	979.4	65.7	979.6	981.5	981.5	980.6	981.2	65.5	981.	982.2	983.4	982.3
23.....	1000.	67.6	1000.3	997.8	1000.3	†999.1	1000.	67.4	1000.3	999.5	999.5	998.2
24.....	1014.9	67.5	1014.4	1013.3	1009 3	1010.7	1010.	67.4	1009.1	1007.5	1007.7	1007.9
25.....	998.7	69.2	1001.2	1000.5	†999.7	998.2	998.4	69.1	1002.3	999.3	998.7	996.6
27.....	979.1	61.2	980.9	978.6	978.2	978.4	977.8	60.3	977.3	976.7	977.2	975.
28.....	971.6	58.6	973.8	973.1	971.1	970.9	969.8	58.4	973.7	973.4	971.6	972.6
29.....	977.2	60.3	978.	979.2	979 5	979.	979.1	60.3	978.3	977.	976.9	976.3
30.....	987.2	60.8	986.9	985.2	983.2	982.2	983.4	60.6	983.1	982.7	980.6	982.4
Means.....	986.3	62.7	986.2	986.2	985.4	985.2	985.6	62.8	985.9	985.1	984.9	985.
Reduced to 32° F.	918.8		918.7	918.6	917.8	917.5	917.8		918.2	917.5	917.4	917.7

SECOND MAXIMUM OF HORIZONTAL FORCE.—Continued.

Göttingen time Observatory time	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
Nov. 1	976.6	62.9	979.1	979.4	978.5	979.8	977.3	63.1	978.2	977.2	976.9	977.7	63.2
2	994.3	67.1	994.6	997.2	1002.8	1007.4	1009.3	67.	1012.9	1018.2	1018.1	1016.4	66.8
3	973.6	61.9	972.6	972.4	972.	970.7	971.4	61.6	971.7	972.8	972.	971.9	61.6
4	961.8	59.2	963.3	963.4	960.3	962.6	961.5	59.3	961.9	962.2	961.9	960.6	59.3
6	970.7	58.4	969.7	968.	969.2	967.6	967.	58.5	967.9	968.9	970.9	969.3	58.4
7	977.5	59.3	978.8	978.5	978 7	978.2	977.7	59.3	978.4	979.8	977.9	977.3	59.5
8	982.9	57.9	981.4	981.9	980.4	978.7	979.7	57.9	978.6	980.5	979.3	977.6	57.4
9	970.5	55.7	971.1	969.1	968.8	970.6	967.6	55.8	968.9	968.6	970.	970.1	56.
10	980.6	62.7	†979 1	980.9	982.	983.8	983.	63.1	983.6	983.	983.7	985.2	63.6
11	990.4	65.6	990.1	988.5	987.6	989.2	989.4	65.4	988.2	987.9	987.2	986.3	65.4
*13	986.5	57.4	985.3	985.1	985.7	985.5	981.	57.3	980.9	982.8	983.5	984.4	57.1
14	961.5	54.2	964.4	965.6	965.8	961.1	965.6	54.2	969.1	978.8	990.2	996.3	54.2
15	977.1	60.	975.3	976.5	976 8	974.7	973.9	60.1	976.2	974.4	973.7	974.1	60.1
16	998.2	62.7	997.9	997.8	997.6	993.9	993.8	63.	992.4	994.2	995.6	996.3	63.2
17	1000.9	66.	1003	1002.1	1003.	1003.5	1001.9	66.2	1001.5	1001.9	999.9	‡998.5	‡66.6
18	1012.	74.	1002.8	1012.8	1012.5	1012.8	1010.6	73.7	1011.1	1011.2	1012.1	1012.7	73.3
20	984.3	65.5	983.9	985.3	984.6	984.	985.1	65.6	985.8	985.1	985.1	985.	65.8
21	1003.8	68.6	1002.8	1002.1	1000.4	1000.	1001.8	68.4	1002.	1000.6	1001.2	1001.5	68.2
22	983.4	64.8	982.	981.1	981.7	981.2	980.9	64.	979.	980.7	980.	978.4	63.6
23	997.	66.9	998.1	998.2	†997.8	995.6	997.2	66.3	996.8	996.7	997.	996.8	66.
24	1007.7	67.	1006.9	1006.	1006.3	1006.6	1007.3	67.	1004.3	1003.1	1003.8	1003.1	66.9
25	997.	68.6	995.1	997.5	997.	997.7	996.8	68.3	998.4	997.2	995 6	995.9	67.9
27	970.3	59.2	974.4	973.5	972.9	972.6	971.	58.4	969.2	970.	971.5	970.5	57.3
28	973.4	58.	973.4	972.7	972.3	‡972 5	973.1	57.9	968.7	970.3	969.8	970.7	56.9
29	975.8	60.3	975.2	970.5	974.7	975.	976.9	60.4	975.2	973.8	972 7	971.3	60.4
30	982.8	60.6	978.6	982.6	982.7	981.8	979.8	60.7	979.1	977.1	977.5	978.1	60.6
Means	984.3	62.5	983.8	983.9	984.3	984.1	983.9	62.4	983.8	984.5	984.9	984.4	62.3
Reduced to 32° Fah	917.2		916.7	916.8	917.1	916.8	917.		916.9	917.7	918.1	917.7	

* See disturbance observations. † One minute late. ‡ Supplied.

Göttingen time.. Observatory time.	*h. m.* 1 02 19 21½	Therm., Fah.	*h. m.* 1 08 19 27½	*h. m.* 1 14 19 33½	*h. m.* 1 20 19 39½	*h. m.* 1 26 19 45½	*h. m.* 1 32 19 51½	Therm., Fah.	*h. m.* 1 38 19 57½	*h. m.* 1 44 20 03½	*h. m.* 1 50 20 09½	*h. m.* 1 56 20 15½
Nov. 1.....	984.6	61.8	984.5	984.8	984.7	983.9	984.2	61.9	983.3	985.2	984.9	983.4
2.....	1021.7	65.9	1017.1	1011.1	1007.1	1006.9	1004.4	65.6	1004.2	1004.1	1002.2	1002.2
3.....	972.7	60.6	973.	972.8	972.5	972.6	973.	60.2	972.7	†972.6	973.2	973.
4.....	965.4	59.8	965.1	965.4	964.8	965.1	965.2	59.9	966.4	966.4	967.1	966.5
6.....	972.	57.9	974.4	972.4	972.6	972.7	972.1	57 5	971.5	971.3	969.4	972.2
7.....	977.3	59.1	978.3	977.9	978.1	978.2	978.6	59.	977.8	978.5	978.3	980.5
8.....	983.3	56.2	981.	979.6	978.7	977 6	978 7	56.2	980 3	981.8	981.3	985.
9.....	970.9	56.	970.9	969.8	970 9	972.4	972.	56.1	973.1	973.9	974.1	972.6
10.....	990.	64.2	989.2	990.3	991.1	991.7	992.7	64.2	992.5	993.4	992.6	992.6
11.....	985.1	64.1	985.7	986.	986.	984.8	985.1	63.8	985.8	987.6	986.1	985.7
*13.....	983.2	56.1	983.9	981.3	983.2	986.6	987.7	55.5	987.7	981.4	976.4	980.2
14.....	971.1	54.3	972.	969.7	970.4	971.9	972.4	54.2	973.3	974.6	975.6	974.
15.....	979.8	60.3	982.5	983.4	984.8	986.	987.5	60.2	988.5	988 5	989.6	989.3
16.....	992.	64.1	990.8	990.8	990 9	989.6	989.3	64.1	990.	989.6	991 4	992.3
17.....	1000.5	68.6	999.8	1000.9	1001.2	999.8	1000.8	69.	1001.2	1001.3	1003.	1001.6
18.....	1012.5	71.2	1012.	‡1011.	1009.5	1008.2	1010.2	70.8	1010.1	1011.9	1012.5	1012.
20.....	988.8	66.1	990.9	990.4	989.2	989.9	988.3	65.9	989.3	987.5	987.7	988.
21.....	1003.	67.7	1003.8	1002.9	1002.4	1001.9	†1002.8	67.3	1001.2	1001.6	1001.7	1003.4
23.....	981.4	62.4	981.4	981.4	981.5	981.6	982.5	62.3	983.4	982.7	984.4	985.5
23.....	993.3	64.7	992.2	991.6	991.	991.9	984.7	64.9	990.8	989.3	991.2	991.7
24.....	1013.7	66.3	1015.5	1014.1	1013.3	1014.	1012.3	66.2	1011.4	1011.8	1012.4	1012.3
25.....	998.2	65.1	996.5	997.3	998.7	997 2	995.3	‡64.1	†996.3	995.4	996.5	996.6
27.....	967.3	54.3	967.2	967.1	967.5	965.3	966.	53.3	965.	966.6	964.7	964.9
28.....	959.2	56.9	960.	961.1	960.3	961.4	963.2	58.2	964.6	965.6	965.7	‡966.
29.....	979.1	59.4	980.5	987.7	987.6	990.1	991.1	59.3	992.	992.6	995.1	996.7
30	979.2	59.6	979.2	979.5	981.5	980.1	981.	59.4	978.6	981.5	979.7	978.6
Means.....	985.6	61.6	985.7	985.4	985.4	985.4	985.5	61.5	985.8	986.	986.	986.4
Reduced to 29.8 F	920.5		920.6	921.2	920.4	920.4	920.6		920.9	921.1	921.2	921.3

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
Nov. 1	983.3	62.2	982.5	983.7	984.6	986.1	987.4	62.2	988.7	988.3	988.3	988.7	62.6
2	999.6	65.4	998.2	999.	1001.7	1003.1	1003.4	65.3	1003.8	1003.6	1001.2	999.9	65.1
3	972.1	60.6	973.6	974.2	974.	976.9	975.8	60.1	976.4	976.1	975.1	975.3	60.1
4	967.4	59.8	967.5	966.7	967.	966.8	966.4	59.8	965.9	966.	966.9	966.3	59.9
6	971.3	57.4	971 5	969.9	970.1	969.8	966.3	†57.5	970.8	972.4	971.4	971.2	57.6
7	978.3	58.2	979.3	979.8	978.8	978.	976.6	57.4	977.7	978.3	977.6	977.7	57.
8	982.2	56.3	981.5	979.8	982.	983.1	984.4	56.2	983.3	983.	974.8	971.1	56.2
9	971.2	56.2	970.2	972.4	971.2	973.6	973.	56.6	973.8	974.5	976.3	973.8	56.9
10	993.1	64.4	993.3	991.8	991.8	992.3	993.8	64.6	993.2	993.5	996.8	996.5	64.8
11	986.6	63.3	987.7	985.5	987.3	985.1	987.2	62.9	986 1	986.8	987.	993.	62.6
*13	979.8	55.4	966.9	964.3	965.2	969.4	968.7	55.1	976.1	980.4	983.6	986.8	54.9
14	971.1	54.	972.8	971.9	971.9	969.9	970.4	53.9	969.7	970.2	966.6	971.2	53.8
15	988.9	60.1	987.4	984.8	981.7	979.9	981.8	60.3	983.7	984.4	984.5	984.6	60.5
16	990.6	63.9	990.7	991.7	993.6	991.7	992.7	64.	993.	993.7	992.7	995.	63.9
17	999.8	69.3	1001.	1003.4	999.7	998.7	998.2	69.7	998.4	999.3	997.5	998.1	69.8
18	1009.5	70.	1009.5	1008.8	1009.2	1009.1	1007.8	69.4	1009.1	1007.7	1008.5	1007.2	68.8
20	988.3	65.3	988.3	988.7	988.2	988.6	988.	65.3	986.4	989.5	988.9	991.2	65.
21	1002.6	67.	1001.8	1001 1	1001.7	1001.4	1001.6	66.8	1001.1	1002.	1002.4	1000.5	66.5
22	983.4	62.1	984.7	984.8	986.5	984.1	985.2	62.2	984.5	986.5	987.4	987.7	62.3
23	989.3	65.3	989.	988.6	989.1	990.1	989.3	65.5	990.2	991.5	991.1	991.5	65.7
24	1011.5	66.4	1011.7	1010.	1009.2	1010.	1010.6	66.5	1005.5	1004.9	1011.4	1010.5	66.6
25	996.4	63.6	997.2	996.5	995.9	995.6	995.2	62.9	994.3	994.9	994.2	994.2	62.2
27	963.4	52.5	962.3	961.5	960.6	961.6	961.5	52.2	961.4	962.	962.8	961.7	52.
28	966.2	58.8	966.3	967 9	966.	967.6	967.4	59.1	966.7	968.	967.8	967.6	58.9
29	993.9	58.8	993.3	992.2	991.5	988.9	987.9	58.4	986.4	984.4	982.5	982.5	58.6
30	979.5	59.1	979.1	981.6	981.6	981.2	981.8	58.9	982.4	981.7	982.	983.2	58.6
Means	985.4	61.4	984.9	984.5	984.6	984.4	984.7	61.3	984.9	985.5	985.4	985.2	61.2
Reduced to 32° Fah.	920.7		920.2	919.8	920.	919.8	920.2		920.4	921.1	921.1	921.	

* See disturbance observations.

† Supplied.

Göttingen time.. Observatory time.	*h. m.* 15 32 9 51½	Therm., Fah.	*h. m.* 15 38 9 57½	*h. m.* 15 44 10 03½	*h. m.* 15 50 10 09½	*h. m.* 15 56 10 15½	*h. m.* 16 02 10 21½	Therm., Fah.	*h. m.* 16 08 10 27½	*h. m.* 16 14 10 33½	*h. m.* 16 20 10 39½	*h. m.* 16 26 10 45½
Nov. 1	970.6	56.5	970.3	969.5	966.1	968.5	969.1	56.5	970.7	969.4	967.8	967.1
2	986.5	66.9	987.3	983.9	985.7	984.5	984 2	66.8	984.1	985.8	985.5	985.3
3	†978.	59.2	979.7	977.1	979.7	979 3	978.	59.	977.2	977.2	§977.1	975.8
4	†961.	54.2	†959.8	958.8	958.	956.6	958.1	54.4	958.2	958.2	959.3	958.3
6	‡956.9	48.8	957.2	957.2	958.6	958.7	959.2	49.5	959.2	962.7	964.4	964.6
7	999.	57.8	1000.7	1000.5	1003.8	1003.6	1001.2	57.7	1002.6	1001.7	1001.8	1001.6
8	972.9	58.4	976.8	979.4	980.8	984.1	984.4	58.7	986.2	988.4	988.6	987.5
9	981.8	52.4	983.2	983.	983.	983.1	981.7	52.6	982.7	981.5	¶981.6	981.3
10	995.	59.	994.3	992.7	993.4	993.1	994.7	59.	995.3	996.2	996.2	996.5
11	996.9	61.8	996.8	997.3	998.	998.2	999.	62.	998.6	999.1	999.9	999.6
*13	996.2	54.6	1005.	1010.3	§1011.8	1012.2	1014.5	54.5	1014.4	1018.9	1016.5	1011.3
14	980.7	53.5	982.8	982.6	982.6	981.	979 9	53.4	979.4	982.3	§981.	982.
15	983.1	52.2	982.4	981.3	979.4	979.4	978.8	52.7	977.	§974.1	972.5	970.7
16	§990.	60.8	988.3	988.9	987.7	987.1	986.4	60.7	989.4	988.6	989.7	988 8
17	1006.5	66.3	1007.6	1007.	1006.1	1006.4	1006.1	66.3	1004.2	1004.5	§1004.3	1005.5
18	1025.8	72.8	1023.6	§1025.6	1024.3	1022.7	1023.3	73.	1023.	§1022.3	1023.3	1022.8
20	§986.5	57.9	985.6	987.8	987.1	987.6	988.9	58.5	987.7	986.3	986 4	986.7
21	1017.5	67.8	1018.5	1017.8	1018.1	†1017.1	1016.7	67.5	1015.5	1016.4	1017.	1018.6
22	992.4	61.6	992 2	991.8	993.2	993.4	992.9	61.5	993.5	991.	¶993.8	994.1
23	988.2	59.4	986.4	985.	986.5	986.7	986.8	60.6	986.3	985.9	987.	985.2
24	1019.1	69.7	1021.8	1023.2	1023.2	1024.2	1023.	69.3	1020.3	1020.	1022.6	1025.3
25	1016.2	68.4	1018.4	1016.7	1018.5	1019.2	1018.9	68.7	1018.7	1018.3	1018.7	1019.
27	975.1	58.4	977.3	977.9	978.5	978.4	977.5	58.8	978.3	980.1	980.7	982.1
28	962.6	53.3	965.4	965.2	967.2	964.5	965.2	53.4	965.5	969.6	970.	970.1
29	§977.1	57.9	977.3	977.7	977.8	977.1	976.3	58.2	974.2	974.6	974.2	974.3
30	§973.4	59.1	973.8	972.8	973.2	973.1	975.8	59.	975.3	976.6	976.8	977.8
Means	988.	59.6	988.9	988.9	989.3	989 2	989.3	59.7	989.1	989.7	989.9	989.7
Reduced to 32° F.	927.3		928.2	928.2	928.5	928.4	928.4		927.3	928.6	928.7	928.3

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 09 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Nov. 1	967.7	56.8	969.8	969.5	971.4	970.9	970.3	57.4	972.2	972.8	974.	975.4	58.2
2	986.5	66.9	985.1	988.6	987.5	993.3	994.1	67.	991.1	987.6	993.7	.....	‖67.1
3	976.9	59.1	978.4	977.1	975.1	976.	975.7	59.2	976.6	978.2	973.3	.....	‖59.5
4	960.2	55.	960.2	959.4	958.7	959.	960.9	55.5	960.1	957.9	959.	957.1	55.9
5	966.	50.8	968.6	969.6	969.3	972.1	972.	52.3	973.4	973.4	976.3	.....	‖53.6
7	1002.	57.6	1000.6	997.6	994.8	993.2	995.6	57.9	995.6	996.4	997.	996.8	58.
8	986.4	58.9	987.3	986.5	985.6	983.6	981.	59.	984.8	984.1	983.8	981.7	59.
9	981.7	53.	981.	982.2	982.3	981.8	982.8	53.6	984.4	983.4	983.5	.....	‖54.
10	997.5	59.	996.4	995.4	994.9	994.7	994.6	59.2	995.1	993.3	993.6	993.3	59.4
11	999.7	62.	1000.6	1000.8	1001.	1000.6	1001.3	62.1	1001.3	1001.7	1000.4	1001.1	62.2
*13	1011.5	54.9	1007.5	1006.9	1007.8	1005.7	1005.8	55.1	1004.	1003.3	1003.3	1000.4	55.6
14	981.5	53 2	981.	981.1	981.	979.2	979.1	52.8	980.5	979.5	978.3	.....	‖53.8
15	971.7	53.4	970.1	969.9	970.6	969.2	969.7	54.	966.5	968.	969.1	970.5	54.5
16	989.1	60.8	989.8	989.7	989.6	988.2	988.7	60.9	†987.7	987.6	987.6	987.9	61.
17	1005.5	66.3	1007.3	1008.	1008.	1010.7	1009.	66.3	1008.9	1006.3	1003.1	1005.3	66.4
18	1021.7	73.3	1020.9	1023.1	1021.1	1020.3	1022.4	73.4	1021.5	§1021.1	1020.1	.....	‖73.5
20	986.3	59.1	986.	988.1	987.2	988.5	987.8	60.2	988.9	987.6	986.4	987.2	60.8
21	1018.5	67.2	1017.5	1017.4	1015.5	1017.1	1015.	66.6	1013.8	‖1015.	1015.8	1016.3	66.9
22	995.1	61.3	995.6	995.3	994.6	994.7	996.1	61.4	993.4	992.1	992.4	991.7	61.7
23	987.9	62.5	988.5	989.1	988.3	987.	987.1	64.2	985.7	987.3	987.6	.....	‖65.8
24	1022.8	68.9	1022.5	1022.5	1021.5	1021.1	1019.6	68.5	1018.3	1017.9	1018.7	1018.5	68.4
25	1016.6	68.7	1017.8	1017.6	1015.8	1016.5	1015.2	68.7	1015.6	1015.6	1014.8	1014.4	68.7
27	983.7	59.7	984.1	985.6	‡986.8	985.	985.4	60.8	988.3	987.1	989.4	.....	‖62.
28	973.1	53.7	†973.8	973.3	973.7	976.2	973.1	53.8	975.2	976.4	977.	975.8	54.1
29	977.7	58.5	976.9	976.6	978.1	978.3	979.1	58.7	977.6	978.9	979.2	979.9	58.9
30	978.5	59.	977.7	978.5	979.4	979.3	979.7	59.	979.6	978.	978.	.....	‖59.
Means	990.2	60.	990.2	990.3	990.	990.1	990.1	60.3	989.6	988.8	988.6		60.7
Reduced to 32° Fah	928.6		928.5	928.4	928.	928.	927.8		927.1	926.1	925.7		

* See disturbance observations. † One minute late. ‡ Eight seconds late. § One minute and thirty seconds late. ‖ Supplied.

Göttingen time.. Observatory time.	*h. m.* 22 04 16 23½	Therm., Fah.	*h. m.* 22 10 16 29½	*h. m.* 22 16 16 35½	*h. m.* 22 22 16 41½	*h. m.* 22 28 16 47½	*h. m.* 22 34 16 53½	Therm., Fah.	*h. m.* 22 40 16 59½	*h. m.* 22 46 17 05½	*h. m.* 22 52 17 11½	*h. m.* 22 58 17 17½
Nov. 1.....	701.7	66.4	702.5	703.2	704.2	705.	705.5	66.8	706.5	707.5	708.1	708.5
2.....	802.5	70.9	802.4	802.3	802.3	802.4	802.6	70.6	802.8	802.9	802.9	803.
3.....	730.7	66.6	736.1	736.4	737.	737.4	737.7	66.4	738.	738.5	738.7	739.1
4.....	703.7	63.1	703.9	704.1	704.	704.	704.1	63.2	703.9	703.9	704.2	703.9
6.....	696.5	62.8	696.9	697.4	697.5	697.6	698.	62.8	†698.	698.1	698.1	698.
7.....	712.	63.2	712.5	712.6	712.7	712.7	713.5	63.2	713.5	713.7	714.2	714.2
8.....	696.	61.6	695.5	695.5	695.2	694.6	694.4	61.4	694.1	694.2	693.4	693.
9.....	642.5	58.1	642.6	642.9	642.6	642.3	641.6	58.3	641.5	641.3	641.	641.3
10.....	720.5	65.1	†722.5	723.5	725.2	726.6	727.9	65.9	729.8	731.2	732.7	734.4
11.....	765.9	68.	766.5	767.5	768.5	769.7	770.6	68.	771.4	772.1	772.5	773.1
*13.....	697.8	61.4	698.2	698.4	698.5	698.3	697.9	61.2	697.7	697.6	697.3	697.
14.....	660.2	59.4	659.9	660.8	660.9	661.	661.	59.4	662.	661.6	661.6	662.2
15.....	721.5	64.2	722.5	723.4	724.1	725.2	725.6	64.4	726 4	727.1	727.8	728.5
16.....	755.	66.2	755.	755.4	756.3	757.2	757.5	66.6	758.	758.4	758.5	759.
17.....	798.1	68.9	798.5	798.2	797.5	797.6	797.8	69.1	797 1	797.3	797.2	797.5
18.....	906.7	77.5	906.3	906.1	905.4	905.2	904.6	77.1	903.9	903.8	903.2	902.4
20.....	795.5	69.7	795.8	796.2	796.5	797.	796.8	70.	797.8	798.6	799.2	799.9
21.....	837.1	73.1	838.2	839.	839.8	840.6	841.3	73.1	841.6	842.3	842.7	843.2
22.....	824.3	70.6	823.6	822.7	821.8	820.9	819.5	69.9	818.4	817.7	816.2	815.2
23.....	824.1	70.9	823.1	822.4	†820.7	820.2	818.6	70.1	817.5	816.3	815.2	813.9
24.....	771.4	68.4	771.1	770.6	770.2	769.5	768.9	68.1	768.8	768.5	767.7	767.2
25.....	856.8	74.	857.	857.1	856.8	857.4	857 9	73.8	857.4	857.5	857.4	857.1
27.....	757.	65.5	754.8	753.	748.6	745.4	743.3	64.1	740.6	736.4	735.1	733.6
28.....	690.7	62.9	.....	.....	.....	.....	693.5	61.3	692.2	690.6	689.1	687.
29.....	733.5	64.9	733.4	733.6	734.3	734.1	734.	64.7	734.1	734.1	734.3	733.9
30.....	731.8	64.8	730.8	730.6	730.2	729.9	729.6	64.6	729.6	730.	729.8	729.1
Means.....	751.3	66.5	751.6	751.8	751.6	751.7	751.7	66.3	751.6	751.6	751.5	751.3
[illegible]	285.6		285.1	284.7	284.5	285.2	286.7		289.1	289.6	290.	290.4

MAXIMUM OF VERTICAL FORCE.

Göttingen time. Observatory time.	h. m. 23 04 17 23½	Therm., Fah.	h. m. 23 10 17 29½	h. m. 23 16 17 35½	h. m. 23 22 17 41½	h. m. 23 28 17 47½	h. m. 23 34 17 53½	Therm., Fah.	h. m. 23 40 17 59½	h. m. 23 46 18 05½	h. m. 23 52 18 11½	h. m. 23 58 18 17½	Therm, Fah.
Nov. 1	708.3	66.7	709.3	710.	710.3	710 9	711.3	66.7	711.6	711.6	711.6	711.7	66.2
2	802.9	70.4	803.8	803.	802.6	801.8	801.6	70.	800.8	800.9	†800.2	799.8	69.8
3	739.1	66.2	739.3	739.6	739.8	739.9	740.1	65.9	740.3	740.2	739.9	739.2	65.4
4	703.5	63.2	703.4	703.4	703.4	703.3	703.3	63.3	703.5	703.9	703.7	704.1	63.4
6	698.2	62.6	698.2	698.4	698.1	698.1	698.	62.1	698.	697.9	697.8	697.7	62.
7	714.1	63.1	714.2	714.2	714.6	714.7	715.1	63.2	715.4	715.7	716.1	716.2	63.2
8	691.7	60.9	691.	690.3	689.3	688.4	687.5	60.4	686.8	686.1	685.1	684.6	60.2
9	641.6	58.4	642.2	642.6	643.	643.5	644.	58.8	644.7	645.3	645.6	646.	58.6
10	736.2	66.2	737.5	738.9	740.4	741.6	743.	66.7	744.4	746.	747.3	748.3	67.
11	773.6	68.	774.3	774.9	775.3	775.7	777.3	67.9	778.5	779.2	779.3	779.6	67.7
*13	696.6	60.9	696.2	695.8	695.6	695.3	694.5	60.6	694.	693.4	692.7	692.2	60.3
14	662.5	59.3	662.7	663.	663.1	662.6	662.3	59.4	662.3	662.2	662.1	662.6	59.5
15	731.3	64.5	731.7	732.4	†732.9	733.6	734.	64.6	734.4	734.7	735.3	735.3	64.6
16	760.6	66.8	761.2	761.9	762.5	763.3	764.1	67.	764.5	765.4	766.2	766.7	67.1
17	798.4	69.4	798.9	799.5	801.2	801.3	802.9	†70.4	804.4	805.1	806.7	808.6	71.3
18	901.8	76.8	901.1	900.4	899.2	898.3	897.	76.	895.6	894.6	893.4	891.9	75.2
20	800.3	70.1	801.	801.7	802.5	802.5	803.7	70.4	804 5	805.3	805.7	806.5	70.6
21	843.4	73.	843.6	843.6	844.1	844.2	844.7	73.	845.2	845.1	845.1	845.4	73.
22	814.1	69.1	813.	811.4	810.5	809.8	808.3	67.7	807.4	806.	804.6	803.5	68.6
23	812.6	69.9	811.3	810.3	809.2	807.7	807.	69.1	805.6	804.7	803.3	802.4	68.9
24	767.1	68.	766.1	765.6	765.5	764.9	764.5	67.9	763.7	763.5	763.4	762.8	67.8
25	854.7	73.3	854.7	853.9	853.5	853.1	852.3	72.6	851.2	850.5	849.6	848.1	71.9
27	731.4	63.3	727.2	724.8	722.	719.4	716.5	62.1	714.3	712.1	708.1	706.4	61.4
28	686.5	60.4	685.8	684.8	684.3	683.5	682.1	60.3	680.9	679.2	678.2	676.8	60.2
29	733.3	64.8	733.6	733.4	733.2	733.2	733.2	64.4	732.1	731.8	731.6	731.3	64.4
30	729.1	64.5	728.8	728.9	729.	728.9	728.6	64.5	728.6	728.8	728.1	727.8	64.3
Means	751.3	66.1	751.2	750.9	751.	750.7	750.6	65.9	750.5	750.4	750.	749.8	65.9
Reduced to 32° Fah.	291.		291.4	291.6	292.2	292.5	293.		292.9	292.8	292.4	292.2	

* See disturbance observations. † One minute late. ‡ Supplied.

Göttingen time.. Observatory time.	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Nov. 1.....	656.6	61.	656.	655.6	654.9	654.3	653.5	60.9	652.4	651.1	650.2	649.1
2.....	773.7	71.1	773.7	774.1	773.7	773.8	773.7	71.1	773.4	773.7	773.8	†773.6
3.....	730.5	63.8	729.4	728.6	727.3	727.1	725.7	63.7	724.7	723.4	723.1	722.3
4.....	653.2	58.5	652.5	651.9	651.1	649.7	648.7	58.1	647.7	646.2	644.4	643.8
6.....	527.6	48.3	527.1	526.6	526.3	526.6	526.3	48.9	526.	526.4	527.3	528.2
7.....	700.4	62.	700.4	700.2	700.3	700.	699.7	61.7	699.2	698 8	698.3	697.6
8.....	663.	58.8	662.3	661.9	661.3	660.5	659.8	58.6	659.3	658.4	657.5	656.7
9.....	616.6	55.	615.6	614.	613.8	612.9	611.9	54.9	611.2	610.	609.1	608.
10.....	695.	61.3	694.7	694.1	693.8	693.4	692 9	61.3	692.2	691.6	691.2	690.9
11.....	742.1	65.	741.8	741.3	741.2	741.2	740.9	65.	740.7	740.4	740.1	740.
13.....	660.4	58.1	660.4	660.5	660.2	660.2	660.	58.2	659.8	659.5	659.7	659.4
*14.....	622.3	56.1	622.9	623.4	623.9	624.2	624.6	56.7	625.3	625.4	627.	627.5
15.....	625.	56.	624.8	625.1	625.5	625.4	625 2	56.	625.6	625.4	625.3	625.
16.....	742.8	65.3	743.5	743.8	744.	745.1	745.5	65.4	745.8	745.7	745.6	745.3
17.....	805.1	70.4	805.6	806.	806.5	806.9	807.2	70.4	807.1	807.4	807.5	807.5
18.....	874.7	74.5	874.3	874.3	874.2	874.	873.6	74.7	873.4	873.6	873.7	873.6
20.....	633.9	59.	635.8	637.6	639.	641.	642.3	59.6	643.9	645.1	646.7	647.7
21.....	877.7	75.2	877.6	877.1	876.6	876.	875.2	74.	874.2	872.6	871.5	870.
22.....	786.3	67.2	784.7	783.	782.3	781.1	780.3	66.4	777.9	775.5	773.1	768.4
23.....	752.6	65.	751.1	750.6	747.	743.5	741.3	64.	737.9	735.	733.5	731.8
24.....	864.4	76.	865.5	865.9	865.8	865.7	866.3	75.	866.1	866.	866.	866.
25.....	858.4	72.9	857.4	856.1	854.8	852.5	851.4	72.3	850.	848.4	847.1	845.6
27.....	744.9	64.5	743.4	741.8	740.4	739.	737.	63.9	735.3	734.5	731.9	730.4
28.....	661.	59.6	660.6	660.8	660.2	659.4	658.8	59.	657.4	657.1	656.1	655.3
29.....	729.4	64.2	729.8	729.1	727.8	727.4	726.4	63.3	725.1	723.9	723.1	722.3
30.....	746.4	65.2	747.3	746.2	746.	745.	744.1	64.8	743.1	742.	740.7	739.4
Means.....	720.9	63.6	720.7	720.4	719.9	719.5	718.9	63.4	718.3	717.7	717.1	716.3
Reduced to 32° F.	294.3		294.6	294.8	294.8	295.	295.		294.7	294.4	294.1	293.6

	648.	60.9	646.8	645.9	644.8	644.1	643.9	61.1	644.	644.	644.8	645.	61.
	773.6	71.4	774.3	774.2	774.6	808 2	813.9	71.5	814.8	815.6	816.	816.4	71.4
3	721.6	63.6	720.6	719.9	719.5	718.7	718.1	63.5	717.6	717.	717.3	717.	63.5
4	641.8	58.	640.1	639.5	638.4	637.4	636.4	57.9	635.4	635.1	634.8	634.3	57.8
6	529.1	49.7	530.	531.5	532.5	533.7	535.1	50.5	536.2	537.7	538.8	541.3	51.2
7	697.1	61.7	696.8	696.4	696.2	696.2	696.3	62.	696.1	696.2	697.4	698.	62.2
8	655.8	58.7	654.9	654.8	654.1	654.1	654.4	59.3	654.8	655.1	657.4	658.4	†59.6
9	607.2	55.	606 6	606.4	605.7	605.2	604.9	55.1	604.	604.7	604.8	605.1	55.
10	690.2	61.4	690.	689.8	689.7	689.6	689.4	61.6	689.4	689.6	690.	690.2	61.6
11	739.8	65.9	739.4	739.2	739.3	739.5	739.4	65.	739.4	739.4	739.5	739.3	64.9
13	659 9	58.5	660.2	660.4	660.7	660.5	660.6	58.9	661.1	660.9	661.3	661.8	59.3
*14	628.3	57.1	629.2	630.	631.2	632.5	632.9	57.7	634.5	635.7	636.7	638.	58.1
15	625.2	56.1	624.6	624.3	624.9	624.9	625.	56.2	625.2	625.7	625.9	626.1	56.2
16	745.	65.1	744.7	744.7	744.6	744.2	744.2	65.	743.8	743.8	743.9	744.2	65.1
17	807.5	70.3	807.3	807.5	807.1	807.	806.5	70.	[illegible]	806.4	806 5	806.6	69.9
18	873.6	74.9	874.3	873.3	873.2	873.8	873.6	75.1		874.2	874.4	875.2	75.8
20	649.5	60.1	651.	652.1	653.4	654.6	656.	61.6		658.4	660.1	661.6	61.3
21	868.9	73.3	867.2	865.5	864.1	862.	860.5	72.7		857.8	856.6	855.1	72.4
22	767.4	65.5	763.6	761.1	758.4	756.4	754.4	65.2		751.5	751.	749.9	65.7
23	729.8	63.3	726.7	725.1	723.	720 8	718.6	62.9		714.8	712.9	711.4	62.5
24	865.7	74.5	865.1	864.9	864.4	863.8	863.1	74.1		861.6	860.8	860.7	73.8
25	844.1	72.1	842.7	841.8	840.2	838.9	838.3	72.4		837.5	837.	837.2	73.3
27	728.5	63.5	727.2	725.7	724 1	723.1	722.2	64.		721.2	721.2	721.6	64.4
28	654.6	58.6	654.4	653.5	652.7	651.5	650 2	58.1		648.6	648.2	647.4	58.2
29	720.6	62.9	719.6	718.1	717.2	716.5	715.9	63.		715.2	715.	714.9	63.1
30	738.2	64.	737 1	735.2	733 6	731.8	730 1	63.8		727.8	726.6	726.	64.
Means	715.6	63.3	715.2	714.7	714.1	714.5	714 8	63.4		714 4	714.6	714.7	
Reduced to 32° Fah.	293.1		292.4	291.6	290.7	290.8	290.9		[illegible]	289.9	289.8	289.6	

* See disturbance observations. † Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Dec. 1	.....	.....	539.4	539.6	542.5	548.	543.	542.5	540.2	538.2
2	542.6	540.5	542.5	543.1	543.2	543.5	541.9	541.2	540.4	541.4
4	539.4	539.1	538.6	538.6	538.3	538.4	538.6	538.9	539.2	539.
5	539.	539.3	540.	540.3	540.4	540.	539.3	539.4	539.4	538.9
6	540.2	540.1	540.1	540.	540.2	540.9	540.7	540.6	541.2	540.7
7	542.7	542.4	541.3	540.6	540.2	539.4	538.6	538.4	538.6	538.9
8	540.5	540 3	540.5	541.8	541.4	541.9	541.4	540.9	540.2	539.4
9	543.	543.5	541.5	541.7	543.	545.9	546.7	546.	544.6	542.4
11	547.5	543.2	541.4	540.3	539.3	539.5	541.3	541.3	541.2	539.8
12	531.4	529.1	530.4	536.	538.9	539.4	539.9	539.3	539.4	538.
13	542.6	541.1	541.	540.5	540.6	540.7	540.5	540.9	539.8	540.2
14	540.7	540.5	540.	539.8	540.2	540.2	539.7	540.4	540 8	540.8
15	537.7	538.	537.7	537.8	538.2	538.6	539.	538.4	537.7	538.1
16	538.3	537.6	536.7	536.7	537.3	537.9	537.4	537.4	537.1	*537.6
18	541.	541.1	540.7	540.9	541.2	540.7	540.3	540.5	540.3	540.4
19	537.5	537.4	537.	537.7	537.9	537.9	537.5	538.1	537.9	538.7
20	538.9	539.	539.1	539.9	539.9	540.1	540.1	540.3	540.9	541.1
21	539.3	539.4	539.6	539.7	539.4	539.3	539.9	539.9	539.8	539.9
22	539.1	538.9	539 6	539.7	539.1	539.6	539.7	*539.6	540.	540.1
23	540.4	539.9	539.5	539.5	539.4	539.5	539.9	540 1	540.2	539.7
25	*539.6	540.1	540.5	538.7	537.1	537.3	538.2	538.7	*538.7	539.1
26	541.	542.1	541.7	541.5	541.1	540.2	540.3	540.3	540.2	540.
27	541.1	539.9	539.9	*540.2	541.	540.8	539.5	539.7	539.5	540.
28	537.1	536.2	537.	537.5	*537 8	537.6	535.4	534.6	535.6	535.5
29	538.9	538.5	538.7	538.7	539.1	539.	539.3	539.2	538.9	538.8
30	540.4	539.9	539.9	539.	537.7	*539.1	538.6	540.	540.1	539.5
Means	540.	539.5	539.4	539.6	539.8	540.2	539.9	539.9	539.7	539.9

ry time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	7 48 2 07½	7 54 2 13½
Dec. 1	536.7	535.5	536.7	535.5	537.1	536.7	536.2	536.1	536.7	537.[illegible]
2	541.7	541.	541.	540.5	540.	541.5	541.3	541.5	542.3	543.2
4	538.6	538.7	538.2	539.2	540.	541.	541.2	541.5	541.1	540.6
5	539.2	538.9	539.	539.	538.6	538.2	537.	537.6	537.7	537.4
6	540.5	540.3	540.7	540.9	541.2	540.7	540 6	540.6	540.2	540.4
7	538.1	538.4	538.	538.7	538 9	538.5	538.3	538.9	538 8	538.7
8	539 1	539.5	539.	539.6	539.7	540.1	539.7	540 2	540.4	540 6
9	544.8	545.7	549.	551.8	553.8	553.4	552.9	550.9	549.4	548.
11	539.5	*542.5	543.6	543.5	543.1	541.6	541.2	541.5	540.9	540.5
12	537.2	536.7	537.5	537.2	538.4	537.1	535.5	537.	538.2	537.5
13	538.9	537.	536.7	537.5	538.	538.8	539.2	539.1	539.9	539.6
14	541.	540.9	540.5	540.	539.8	[illegible]	[illegible]	537.9	538.3	538.6
15	538.2	537.2	537.	537.2	*536.3	[illegible]	[illegible]	537.1	536.5	536.9
16	537.9	538.4	538.2	538.	538.1	[illegible]	[illegible]	537.7	*538.2	537.9
18	540.3	540.4	540.5	540.9	540.6	[illegible]	[illegible]	541.1	541.2	541.1
19	538.6	538.4	538.7	538.	539.1	[illegible]	[illegible]	539.4	539.	538.4
20	540.8	541.2	541.4	541.3	541.5	4	[illegible]	541.3	541.5	539.6
21	540.1	539.8	539.2	538.6	538.	4	[illegible]	537.3	536.8	537.
22	540.8	540.3	540.4	540.6	540.6	8	[illegible]	539.6	540.1	*540.6
23	539.5	539.6	539 9	539.5	539.1	[illegible]	[illegible]	540.4	540.1	540.1
25	538.9	539.	538.7	538.4	538.3	3	[illegible]	540.5	540.5	541.1
26	540.2	540.5	540.4	539.9	539.3	[illegible]	[illegible]	537.7	*538.1	538.5
27	539.6	538.6	538.2	537.8	539.7	538.7	[illegible]	537.6	537.	536.
28	536.4	537.6	537.7	538.2	538.1	538.	[illegible]	1	[illegible]	[illegible]
29	539.4	539.3	539.7	539.1	540.2	539.8	[illegible]	[illegible].2	[illegible]	[illegible]
30	538.9	538.1	538.7	539.5	539.1	539.7	[illegible]	537.8	[illegible]	[illegible]
Means	539.4	539.4	539.6	539.7	539.9	539.8	.4	539.5	539.4	1.2

* One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Dec. 1	529.3	528.5	528.	528.	528.2	528.	527.7	527.5	527.9	*528.3
2	532.4	532.	531.7	†531.3	532.2	532.7	532.9	533.2	533.2	532.9
4	530.4	530.2	530.2	530.2	530.	530.	**529.6	530.	530.3	530.2
5	532.6	531.9	531.5	530.9	530.2	530.3	530.6	529.8	‖530.1	529.1
6	531.6	530.7	531.	530.5	530.8	‖530.6	529.9	529.6	529.6	529.1
7	534.9	535.3	534.5	*534.7	534.5	534.6	534.5	534.3	534.2	534.3
8	533.4	533.	533.2	533.4	533.4	532.7	532.9	532.5	*532.2	531.4
9	533.6	533.6	533.5	533.7	532.8	532.7	532.4	533.2	531.2	§529.5
11	533.7	532.9	531.9	532.3	531.5	531.3	530.9	531.1	530.7	532.1
12	532.2	531.5	531.4	531.2	531.3	531.	530.9	530.7	530.8	531.2
13	533.8	532.9	*532.9	§531.2	531.6	532.1	531.9	531.4	531.3	530.3
14	537.6	538.	537.1	535.9	535.8	534.7	533.7	533.5	533.1	533.4
15	535.4	534.5	534.7	534.1	534.5	531.4	533.3	533.9	533.	532.6
16	537.5	537.	536.6	536.3	¶535.7	535.8	535.6	535.5	535.3	535.2
18	535.3	535.	†534.7	534.6	534.7	‡534.2	534.	533.7	533.8	533.7
19	537.3	537.5	537.6	537.1	537.	537.2	537.2	537.3	537.3	537.
20	536.1	536.3	536.6	536.1	536.3	538.8	536.6	536.9	537.3	536.9
21	534.4	534.4	534.2	534.3	534.4	534.2	534.1	533.9	533.9	534.
22	537.5	536.8	536.8	536.6	536.7	536.7	536.	535.6	535.2	535.4
23	536.1	535.1	534.9	534 4	534.3	533.6	532.8	532.9	532.5	532.9
25	536.1	535.6	536.	535.7	535.3	535.2	534.9	535.6	535.	534.9
26	534.6	534.	534.2	534.	533.9	533.6	533.5	533.3	533.2	532.9
27	527.1	525.7	524.5	‖523.4	523.8	523.	522.8	522.6	521.6	521.6
28	535.	534.7	534.7	534.8	534.9	534.4	534.1	534.1	533.9	534.4
29	534.8	534.	534.	534.1	534.	534.1	533.8	533.7	532.3	532.6
30	535.9	536.	536.3	535.9	535.1	535.	534.5	535.	534.	533.8
Means	534.2	533.7	533.6	533.3	533.2	533.1	532.8	532.7	532.4	532.3

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
	2 00	2 06	2 12	2 18	2 24	2 30	2 36	2 42	2 48	2 54	
...ume...	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½	
Dec. 1	542.3	542.8	543.1	543.5	544.1	544.	544.1	544.2	544.4	544.2	
2	539.4	538.8	539.5	539.2	539.	540.8	540.3	540.9	539.7	539.3	
4	542.3	543.1	542.7	543.	542.8	542.8	542.9	542.3	542.7	542.	
5	541.3	541.2	541.7	541.1	540.7	539.9	541.1	540.9	541.1	541.4	
6	542.2	542.4	541.9	542.2	543.3	543.1	542.8	543.	544.	543.7	
7	541.	540.7	540.4	540.8	541.5	545.3	544.9	541.8	548.7	550.3	
8	545.	545.	544.6	544.4	544.9	544.8	545.4	544.6	543.1	543.8	
9	539.2	538.9	539.3	539.1	539.5	540.	541.7	542.6	542.9	542.	
11	557.5	561.4	556.	554.2	558.4	557.7	554.8	*552.7	545.7	547.	
12	542.5	541.8	542.3	542.4	541.1	541.4	541.2	540.	541.	540 9	
13	540.9	541.	541.6	541.6	543.2	542.5	542.	542.2	542.5	541.5	
14	538.5	538.	538.5	5		538.5		539.1	538.9	539.3	
15	540.	539.2	537.9	3	5	535.7	3	536.	536.1	536.2	
16	539.5	539.4	539.2	.8	7	538.2		538.7	539.2	539.5	
18	540.	540.	539.9	540.2	8	540.2	1	539.4	539.5	539.2	
19	538.6	538.9	539.1	539.	.9	539.	3	539.	539.2	539.	
20	539.2	539.3	538.7	538.8	538.4	538.6	8	538.7	539.9	540.	
21	540.7	540.6	540.3	540.2	539.9	540.4	1	541.4	541.1	541.	
22	543.9	543.6	543.3	543.3	543.5	543.5		543.6	544.2	543.4	
23	540.5	540.5	540.3	540.8	541.	540.7		540.7	540.6	540.5	
25	538.5	539.4	539.	539.	538.6	539.2	5	*539.7	539.5	539.4	
26	543.1	542.7	542.7	542.1	542.2	541.9	5	540.7	540.8	540.6	
27	542.1	542.	542.	541.8	541.6	541.4	5	541.6	541.9	542.3	
28	540.6	540.5	540.7	541.3	*541.9	541.9	1	541.6	541.8	542.4	
29	541.5	541.7	541.8	542.1	542.4	542.3	5	543.7			
30	538.1	538.4	539.1	539.5	539.4	†539.7		538.6	539.4		
Means	541.5	541.6	541.4	541.3	541.5	541.6	541.7	541.6	5	5	

* One minute late.

† Twenty-four seconds late.

1427

Göttingen time Observatory time	*h. m.* 3 00 21 19½	*h. m.* 3 06 21 25½	*h. m.* 3 12 21 31½	*h. m.* 3 18 21 37½	*h. m.* 3 24 21 43½	*h. m.* 3 30 21 49½	*h. m.* 3 36 21 55½	*h. m.* 3 42 22 01½	*h. m.* 3 48 22 07½	*h. m.* 3 54 22 13½
Dec. 1	543.9	543.3	543.7	543.5	542.9	542.9	543.	543.3	543 7	544.1
2	539.4	538.4	537.3	536.9	536.6	536.7	537.1	538.5	538.2	538.3
4	542.2	542.3	542.	541.5	542.1	542.	541.7	541.9	542.	541.8
5	542.2	541.7	541.2	541.	540.9	542.	540.9	540 7	540.6	541.3
6	543.6	543.4	542.9	542.4	542.8	543.2	542.7	543.2	541.9	542.6
7	550.4	546.9	544.6	543.6	542.8	541.5	540.9	540.5	540.4	540.4
8	544.5	545.5	545.2	544.4	544.8	544.4	544.2	544.3	544.7	543.7
9	543.3	542.4	542.6	542.9	‡543.2	543.2	543.	542.9	543.	542.9
11	545.7	515.3	544.1	544.	541.3	544.	542.4	541.2	542.	543.2
12	540.9	540.5	541.9	541.7	541.5	542.7	542.8	542.4	543.1	542.4
13	540.8	540.4	539.8	539.9	540.	540.	540.5	*540.9	540.4	540.4
14	539.4	539.3	540.1	540.5	540.1	540,7	540.4	539.7	539.6	539.9
15	536.2	536.7	536.3	536.9	536.5	536.6	536.9	536.8	536.9	537.
16	539.5	539.3	539.8	539.3	539.5	539.4	540.	540.2	540.8	541.1
18	539.5	539.5	539.6	539.8	538.6	538.7	539.1	541.4	542.8	542.9
19	539.3	538.4	538.5	*538.5	539.1	538.9	539.1	539.1	539.2	539.
20	540.4	539.8	539.7	539.	539.3	539.4	539.6	539.6	540.1	541.2
21	541.7	541.3	541.5	541.2	540.5	540.5	540.9	540.3	540.7	540.5
22	543.2	542.9	542.9	542.6	542.7	542.2	542.5	542.7	542.6	543.6
23	540.8	540.9	541.5	540.9	541.1	541.2	540.9	540.7	540.5	541.
25	539.2	538.5	538.6	538.9	539.	539.5	540.3	540.3	540.5	540.8
26	511.	541.	540.6	541.6	541.9	543.4	544.5	544.	543.	541.9
27	542 8	542.3	*543.	542.6	542.3	542.7	542.2	541.4	541.7	541.2
28	541.8	541.7	541.7	541.8	541.8	541.5	541.8	541 3	541.3	540.8
29	542.7	542.9	543.	†543.1	542.4	547.5	550.2	548.7	545.4	543.7
30	539.5	538.2	538.1	537.9	539.3	539.7	540.5	541.4	541.2	540.3
Means	541.6	541.3	511.	541.	541.2	541.3	541.5	541.5	541.4	541.4

* One minute late. † Twenty-four seconds late. ‡ Four minutes late.

	h. m. 13 00	h. m. 13 06	h. m. 13 12	h. m. 13 18	h. m. 13 24	h. m. 13 30	h. m. 13 36	h. m. 13 42	h. m. 13 48	h. m. 13 54
...ry time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Dec. 1	545.8	544.5	544.5	543.9	544.3	544.3	544.7	544.3	544.	544.5
2	545.1	544.5	545.1	544.9	544.5	542.	541.8	542.3	540.5	539.5
4	541.3	541.	540.4	541.	541.8	541.7	540.7	541.2	541.3	541.8
5	543.2	542.9	543.6	543.7	543.9	544.8	544.7	544.7	544.5	545.5
6	540.3	540.4	539.7	539.2	539.8	539.4	539.3	540.3	540 3	539.7
7	543.5	543.6	543.5	542.9	542 4	544.2	544.2	543.6	544.2	543.9
8	542.7	541.8	542.1	541.9	542.5	543.	543.3	542.1	541.8	542.1
9	540.8	541.1	540.6	540.7	541.3	541.1	541.5	541.3	541.6	542 2
11	545.3	545.1	543.	542.8	543.6	543.2	543.	543.7	544.3	544.1
12	540.9	540.5	540.7	538.8	539.	539.5	540.6	540.5	539.	538.1
13	541.	541 4	540.5	540.8	542.6	543.2	[illegible]3.4	542.4	542.9	542.9
14	539.4	540.	540.2	540.4	540.2	539.	538.7	539.6	540.9	542.5
15	541.2	540 7	540.8	540.9	541.4	541.8	542.	542.6	542.4	542.6
16	539.8	540.	540.5	540.7	540.7	540.7	541.4	541.1	540.2	541.
18	542.1	541.9	542.5	542.5	542.6	541.9	542.4	542.5	542.7	541.7
19	540.	540.3	540.9	540.7	541.4	541.3	541.2	541.6	542.2	542.2
20	542.6	542.1	542.1	542.3	542.5	542.3	542.4	542 4	542.	541.
21	543.7	543.7	544.5	543.8	544.2	544.7	543.9	543.9	542.8	543.1
22	542.5	542.6	542.6	543.	543.5	543.4	543.	543.2	543.4	543.7
23	543.7	543.4	543.2	543.4	543.4	543.2	543.9	543.8	543.6	543.2
25	542 6	542.7	543.8	544.8	544.7	544.2	544.3	545.5	545.9	545.9
26	542.4	543.3	543.4	544.1	544.2	544.7	544.8	545.2	545.7	545.6
27	542 3	540.2	541.8	544.1	544.2	545.6	544.8	544.9	544.5	545 3
28	537.8	537.3	537.5	538.9	538.8	541.6	540.8	539.8	5[illegible]	[illegible]
29	541.9	542.8	542.7	543.5	543.4	543.4	543.6	543.9	5[illegible]	[illegible]3
30	542.1	541.7	542.4	542.9	543.1	542.6	542.7	542.7	543.[illegible]	[illegible]4
Means	542.1	541.9	542.	542.2	542.5	542.6	542.6	542.7	5[illegible]	[illegible]

Göttingen time..... Observatory time.....	*h. m.* 11 32 5 51½	Therm., Fah.	*h. m.* 11 38 5 57½	*h. m.* 11 44 6 03½	*h. m.* 11 50 6 09½	*h. m.* 11 56 6 15½	*h. m.* 12 02 6 21½	Therm., Fah.	*h. m.* 12 08 6 27½	*h. m.* 12 14 6 33½	*h. m.* 12 20 6 39½	*h. m.* 12 26 6 45½	Therm., Fah.
Dec. 1.....	961.7	*59.	961.7	963.1	964.8	968.6	969.3	58.5	970.3	969.5	970.8	972.1	58.1
2.....	976.	59.5	975.2	972 9	972.6	971.6	971.6	59.4	975.1	976.9	979.3	975.5	59.2
4.....	955.1	46.7	956.3	954.9	954.	954.4	953.8	46.9	956.5	954.5	955.9	956.1	47.4
5.....	979.5	59.6	975.7	976.9	978.	977.	977.7	59.2	977.4	976.4	977.6	978.8	59.
6	958.7	50.1	959.4	960.9	960.8	962.5	961.8	50.2	961.5	961.7	962.	963.9	50.1
7.....	971.3	57.7	971.4	970.8	972.4	972.5	975.2	58.1	975.	974.7	975.1	975.8	58.1
8.....	968.6	52.2	967.7	966.	966.7	966.7	964.6	52.1	966.5	968.	964.	965.5	52.3
9.....	977.3	54.	976.5	976.8	975.7	975.8	976.2	54.	976.5	973.8	973.8	972.9	54.2
11.....	958.8	45.	958.1	960.2	957.3	961.	960.3	46.	964.5	962.2	967.	965.4	46.9
12.....	984.4	55.5	980 7	980.5	981.9	981.3	980.3	55.4	979.6	981.5	985.	981.3	55.3
13.....	958.	41.5	956.6	955.9	955.9	955.9	956.	41.4	954.	956.8	957.8	958.	41.4
14.....	957.8	40.2	958.9	956.7	954.	952.4	954.	40.2	954.3	953.1	954.6	957.3	40.2
15.....	980.	53.2	979.8	979.8	979.	980.2	979.	53.	979.2	980.1	978.7	980.2	52.9
16.....	989.6	59.1	989.9	989.5	989.	988.1	987.	58.7	988.1	987.5	986.6	986.8	58.4
18.....	965.9	52.	963.8	964.5	963.7	964.2	964.8	52.9	964.	964.9	961.4	963.9	53.
19.....	982.8	57.6	981.5	980.5	980.1	979.8	981.1	57.3	980.	978.6	978.6	977.6	57.2
20.....	980.8	58.2	†983.	982.9	981.5	980.	981.7	58.	981.6	978.5	979.2	978.9	57.7
21.....	991 8	61.7	992.7	991.2	990.9	990.3	990.9	61.2	990.1	991.5	991.	991.3	60.8
22.....	987.9	*60.4	988.2	989.3	987.9	986.8	986.4	60.2	987.	986.8	986.9	986.3	60.
23.....	988.7	60.7	989.3	990.8	987.7	989.7	989.3	60.7	990.	987.	986.1	988.6	60.5
25.....	967.	54.	967.2	967.2	968.	968.8	970 9	54.	973.4	971.6	976.2	977.5	54.
26.....	989.5	61.	988.4	989.8	988.6	988.	988.2	60.8	988.9	987.9	987.7	986.	60.6
27.....	982.4	60.9	982.3	983.2	985.	985.4	985.1	60.8	982.9	982.7	983.3	981.5	60.9
28.....	992.3	63.2	993.9	993.9	991.2	991.9	994.5	63.4	996.8	996.8	995.7	991.4	63.4
29.....	991.3	58.7	989.1	989.1	988.1	988.1	986.7	58.4	990.	989.8	988.6	988.3	58.1
30.....	969.9	49.8	†970.5	971.6	972.5	973.	971.	49.3	969.9	969.1	971.4	969.6	49.3
Means.....	975.7	55.1	975.3	975.3	974.9	975.2	975.3	55.	975.9	975.5	976.	975.8	55.
Reduced to 32° Fah.....	924.9		924.5	924.5	924.2	924.5	924.7		925.3	924.9	925.4	925.2	

Göttingen time.. Observatory time.	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
Dec. 1.....	989.6	65.1	991.3	990.2	992.1	993.7	996.2	‡65.1	997.1	995.5	996.5	994.4
2.....	991.4	62.9	990.6	991.5	991.7	991.8	992.1	62.7	990.8	991.1	988.8	986.6
4.....	984.5	59.7	985.6	986.9	987.7	989.1	988.	59.1	985.3	985.7	985.9	986.8
5.....	982 3	61.2	984.	983.9	982.7	982.4	982.3	61.5	979.5	979.4	978.4	975.8
6.....	978.8	61.9	978.3	977.8	975.9	980.2	979.6	62.1	979.	980.5	980.6	981.1
7.....	981.5	61.9	982.3	983.	984.1	983.5	983.3	61.9	984.3	983.1	982.3	983.3
8.....	1012.	61.4	1012.9	†1016.4	1019.1	1019.1	1021.1	61.6	1022.5	1017.5	1014.3	1007.2
9.....	987.2	61.4	984.4	981.6	979.8	980.5	979.8	61.2	981.1	979.6	981.6	982.6
11.....	990.	55.7	983.4	983.7	981.4	981.	980.8	55.9	980.7	977.1	978.4	980.4
12.....	988.7	59.2	986.9	994.5	992.4	991.7	982.	59.9	980.1	982.6	983.4	984.8
13.....	973.9	46.3	970.9	968.6	970.4	969.4	970.6	46.7	967.5	965.7	967.7	963.
14.....	986.2	55.1	985.1	984.6	984.	986.1	985.	55.6	982.1	982.5	981.7	973.5
15.....	996.6	63.2	997.3	996.9	996.	997.7	996.1	63.8	995.9	994.5	994.4	996.
16.....	1004.1	64 5	1003.2	1003.5	1001.7	1000.7	999.1	64.5	999.5	998.7	998.3	999.5
18.....	997.8	62.1	999.4	997.8	996.8	995.4	994.1	61.9	994.1	992.5	991.3	991.
19.....	989.7	62.2	989.4	990.	988.1	988.2	987.8	62.3	987.7	987.7	987.2	985.8
20.....	1001.8	66.2	1001.3	1001.1	999.5	1000.8	1000.4	66.6	999.5	998.9	999.9	998.6
21.....	995.1	64.5	994.9	994.7	993.5	994.1	993.3	64.6	993.8	993.9	995.8	995.9
22.....	984.6	66.3	985.2	984.4	985.1	986.4	986.	66.9	987.9	988.3	988.2	988.3
23.....	985.8	64.2	985.6	986.3	987.3	988.1	989.	64.4	990.3	989.9	988.6	989.3
25.....	986.7	62.6	988.	988.9	988.7	988 6	987.5	63.2	987.9	987.3	987.9	987.3
26.....	1005.	66.3	1003.1	1003.1	1001.7	1002.2	1000.8	66.1	1000.5	1000.6	999.1	999.3
27.....	1008.3	67.	*1007.7	1008.4	1007.2	1006.8	1007.	66.4	1006.9	1004.4	1005.4	1004.3
28.....	1007.2	60.8	1007.2	1005.6	1004.3	1004.	1004 5	61.	1003.4	1003.3	1003 7	1002.4
29.....	1006.5	59.	1006.3	1007.8	1005.	1002.4	999.8	59.	997.7	995.3	994.9	992.7
30.....	978.2	54.8	979.1	980 4	981.8	982.6	984.	54.2	981.	981.5	981.6	980.9
Means.....	992.1	61.4	991.7	992.	991.5	991.4	991.2	61.5	990.6	989.9	989.8	988.9
Reduced to 32° F.	927.4		927.	927.3	926.7	926.6	926.3		925.7	925.1	925.1	924.3

* Thirty seconds late. † One minute late. ‡ Supplied.

Göttingen time..... Observatory time.....	*h. m.* 22 02 16 21½	Therm., Fah.	*h. m.* 22 08 16 27½	*h. m.* 22 14 16 33½	*h. m.* 22 20 16 39½	*h. m.* 22 26 16 45½	*h. m.* 22 32 16 51½	Therm., Fah.	*h. m.* 22 38 16 57½	*h. m.* 22 44 17 03½	*h. m.* 22 50 17 09½	*h. m.* 22 56 17 15½	Therm., Fah.
Dec. 1.....	992.5	65.	*991.	990.8	988.4	988.6	986.6	65.3	986.3	986.4	987.2	985.6	65.3
2.....	986.9	62.5	989.5	988.3	987.2	985.6	985.7	62.3	985.6	983.8	985.1	985.	61.8
4.....	985.8	57.7	987.3	986.5	987.4	988.3	990.	†57.7	989.7	989.7	988.4	986.1	57.5
5.....	979.3	62.1	979.1	979.	981.1	980.9	980.9	63.3	980.6	980.7	980.	980.5	63.7
6.....	979.5	61.5	980.3	979.6	980.8	980.	979.7	61.3	982.8	986.8	989.9	991.3	61.3
7.....	982.6	61.8	981.2	979.8	980.5	979.9	981.9	61.6	976.5	982.5	982 1	981.7	61.4
8.....	1004.6	61.5	1002.1	998.3	997.8	996.7	995.8	61.6	995.5	995.	996.3	998.5	61.7
9.....	981.8	61.	980.	980.1	982.2	980.9	979.6	60.7	978.2	977.7	979.5	980.	59.8
11.....	978.5	56.1	982.7	978.	981.3	982.9	982.	56.8	984 4	984.4	987.5	982.9	57.8
12.....	981.9	58.5	978.6	980.9	984.3	982.9	983.4	57.6	981.6	989.5	993.2	989.5	57.6
13.....	966.5	46.8	967.6	967.2	967.9	966.1	970.	47.1	966.5	968.	966.5	965.8	47.3
14.....	981.8	55.8	980.5	981.1	980.2	979,7	979 3	56.1	978.3	978.3	978.7	977.1	56.3
15.....	995.2	64.3	993.8	994.5	994.9	994.8	995.2	64.3	994.8	994.2	995.	994.6	64.7
16.....	998.	64 4	996.5	996.6	995.8	994.7	994.9	64.2	994.1	993.9	994.9	993.9	64.5
18.....	994.	61.7	988.5	989.6	988.6	987.5	987.2	61.7	987.1	988.1	985 9	985.5	61.6
19.....	985.8	62.	985.1	985.	983.2	983.4	983.2	62.2	983.9	982.9	983.2	982.1	62.6
20.....	1000.8	66.7	1000.5	1000.6	1001.6	1001.6	999.	66.8	999.6	1001.1	1001.6	1003.5	66.8
21.....	998.4	64.6	998.6	997.8	998.3	996.5	997.5	64.3	998.	998.9	999.2	998.2	64.6
22.....	987.4	67.2	989.7	989.3	990.1	990.9	992.2	67.2	991.2	991.7	994.5	993 9	67.4
23.....	990.6	64.4	991 8	992.2	992.2	991.6	991.	63.4	990.1	992.4	992.2	992.8	62.8
25.....	987.7	63.6	987.6	988.5	987.6	987.4	986.4	64.3	988.9	989.	989.	989.5	64.8
26.....	997.8	65.3	999.	998.8	998.9	999.2	998.9	65.6	998.5	997.5	997.4	996.3	65.3
27.....	1005.2	66.	1004.2	1004.	1005.1	1003.7	1004.3	65.3	1003.6	1002.1	1001.4	1002.1	64.8
28.....	1003.4	60.4	1004 3	1003.5	1001.4	999.6	999.6	60.2	999.5	1000.4	1002.2	1002.5	60 2
29.....	990.3	58.8	988.4	987.4	987.3	987.2	987.8	58.5	984.9	986.8	987.5	987.1	57.4
30.....	981.2	54.8	979.9	977.3	976.8	977.9	978.3	54.	978.5	979.4	976.	978.	54.2
Means.....	989.1	61.3	988.8	988.2	988.5	988.	988.1	61.3	987.8	988.5	988.2	988.6	61.3
Reduced to 32° Fah.....	924.6		924.3	924.	924.	923.5	923.6		923.3	924.	923.7	924.1	

Göttingen time.. Observatory time.	A. m. 1 02 19 21½	Therm., Fah.	A. m. 1 08 19 27½	A. m. 1 14 19 33½	A. m. 1 20 19 39½	A. m. 1 26 19 45½	A. m. 1 32 19 51½	Therm., Fah.	A. m. 1 38 19 57½	A. m. 1 44 20 03½	A. m. 1 50 20 09½	A. m. 1 56 20 15½
Dec. 1	991.1	64.1	990.7	990.1	990.	989.5	990.3	62.2	989.8	990.6	989.	989.1
2	993.7	59.8	996.	996.2	995.1	993.1	993.9	59.7	993.4	993.2	991.6	991.7
4	981.7	54.7	981.7	978.1	981.	980.9	980.7	55.3	980.	981.5	981.1	981.5
5	989.	61.7	987.6	988.2	988.6	986.7	988.5	60.5	989.	987.5	990.3	989.
6	984.2	59.3	985.2	984.7	984.1	983.7	*984.3	59.9	985.6	984.3	981.1	981.7
7	986.2	59.3	987.2	986.6	986.	986.6	986.2	‡58.8	986.8	985.9	984.7	984.5
8	1002.	59.5	1001.5	1001.6	1000.3	997.9	996.7	58.6	997.2	996.7	995.1	993.9
9	984.8	58.3	984.5	987.	984 9	985 7	988.8	‡57.3	987.6	987.6	985.1	987.1
11	1003.6	59.8	1001.9	995.4	993.5	989.9	993.1	60.	993.4	993.2	1000.9	1003.6
12	989.5	53.2	989.7	983.5	980.6	980.7	978.1	53.2	980.2	981.7	986.1	986.3
13	969.	46.8	969.5	966.4	966.8	967 2	968.5	46.5	967.	968.2	970.8	972.6
14	980.1	55.9	981.9	982.	981.7	983 1	982.6	55.8	981.9	982.7	981.3	981.4
15	1000.5	64.3	1001.3	999.4	1002.3	1004.1	1004.6	64.3	1004.4	1003.8	1002.1	1000.4
16	997.	63.8	997.	996.7	995.9	996.	996.9	63.7	997.3	997.9	996.8	996.6
18	988.2	60.9	987.8	988.5	989.3	989.6	†989.1	60.8	988.1	989.	988.4	986.8
19	990.1	62.4	990.3	989.6	991.1	990.2	990.7	62.5	991.	990.8	991.5	991.
20	1004.3	65.6	1003.4	1003.8	1004.1	1003.7	1004.4	65.5	1003.5	1005.2	1004.8	1005.
21	996.	65.3	997.4	999.4	999.2	999.6	999.4	65.5	999.9	998.4	998.6	999.7
22	1001.5	66.6	1001.9	1002.3	1004.2	1003.5	1005.	‡66.4	1005.4	1004.9	1005.2	1006.7
23	991.1	61.8	991.4	990.5	988.4	989.	989.5	61.8	989.6	990.9	992.	991.3
25	995.9	66.	.....	.....	.....	.....	996.3	66.5	996.6	995.3	995.7	996.6
26	999.1	65.	998.3	999.3	999.7	997.2	997.3	64.	997.8	997.3	996.3	997.4
27	1005.4	64.2	1004.9	1005.	1003.6	1004.9	1005.	63.8	1005.	1004.6	1005.1	1005.5
28	1012.4	60.3	1011.8	1011.3	1009.7	1007.9	1005.9	60.	1006.	1004.8	1003.5	1000.4
29	984.7	55.4	986.2	985.2	984.6	*983.2	982.2	54.7	982.4	983.7	982.8	985.1
30	979.	52.8	976.1	975.7	974.7	974.9	976.5	53.5	977.1	977.9	978.1	979.9
Means	992.3	60.3	992.3	991.7	991.4	990.9	991.3	60.	991.5	991.4	991.4	991.7
Reduced to 32° F.	930.		930.7	930.1	929.8	929.3	929.7		930.	930.	930.1	930.6

* One minute late. † Two minutes late. ‡ Supplied.

Gottingen time Observatory time	*h. m.* 2 02 20 21½	Therm., Fah.	*h. m.* 2 08 20 27½	*h. m.* 2 14 20 33½	*h. m.* 2 20 20 39½	*h. m.* 2 26 20 45½	*h. m.* 2 32 20 51½	Therm., Fah.	*h. m.* 2 38 20 57½	*h. m.* 2 44 21 03½	*h. m.* 2 50 21 09½	*h. m.* 2 56 21 15½	Therm., Fah.
Dec. 1	987.9	61.7	985.8	986.8	985.5	984.2	984.3	61.1	985.	984.3	984.	983.9	60.3
2	990.2	59.5	990.5	989.2	987 9	987.1	986.5	59.1	986.3	986.2	988.3	987.6	58.6
4	979.5	56.3	980.3	981.3	980.2	979.9	980.	56.7	979.8	979.4	979.9	978.4	57.3
5	987.8	59.4	989.6	988.5	988.	988.2	988.4	58.7	987.7	989.	987.7	987.	57.8
6	980.8	58.5	*981.3	982 5	981.4	981.5	977.7	58.2	982.7	980.6	979 9	982 1	57.7
7	984.1	58.	982.1	983.5	983.5	982.5	984.8	57.9	986.5	983.2	978.6	979.7	57.5
8	994.3	58.9	993.9	992.2	992.7	993.1	987.8	57.	986.5	986 9	987.3	986.7	56.7
9	986.2	56.7	984.	988.2	986.3	987.4	986.6	56.4	987.4	986.4	984 1	985.9	56.1
11	994.8	59.5	993.5	982.5	990.9	991.1	987.3	59.3	989.	990.	991.1	994.3	58.8
12	983.8	51.2	980.6	980.2	978.7	981.7	982.1	50.3	980.6	979.7	980.4	979.6	49.8
13	971.6	46.3	970.3	968.7	973 5	966.8	965.4	†46.1	965.2	965.4	964.5	966.2	45.7
14	980.3	55.5	981.1	981.2	981.5	983.4	982.4	55.4	983.5	984.2	983.9	984.1	55.4
15	1000.	63.8	999.7	999.8	1000.4	1001.2	1000.4	63.7	999.7	999.5	999.9	997.9	63.3
16	997.2	63.5	995.7	996.4	997.7	997.2	995.5	63.6	995.8	997.8	997.7	997.7	64.
18	986.6	60.7	986.9	986.8	988.3	988.9	988.8	60.9	990.8	992.9	992.7	992.6	60.9
19	991.6	62.6	992.7	992.3	992.2	992.7	992.2	62.5	991.6	992.	992.2	990.9	62.4
20	1005.2	65.5	1005.3	1005 3	1005.7	1005.4	1004.4	65.6	1005.	1006.	1005.6	1005.	66.1
21	998.1	64.9	998.8	998.7	998.9	999.7	999.8	64.6	1000.3	999.9	999.3	1000.9	64.4
22	1006.7	66.	1007.9	1007.9	1008.	1009.5	1007.7	65.7	1008.5	1007.7	1007.4	1007.9	65.3
23	990.5	62.1	989.4	990.9	991.4	991.3	992.6	62.2	991.6	991.6	991.6	992.9	62.4
25	996.3	66.8	996.4	996.3	997.3	996.	997.	67.2	998.6	1000.2	999.4	999.5	67.8
26	997.4	63.3	996.6	996.8	995 7	997.8	995.4	63.	1000.	999.2	998.	996.8	63.
27	1005.2	63.2	1005.3	1006.8	1007.8	1008 5	1008.4	63.	1007.9	1006.4	1007.	1007.2	62.9
28	1001.1	60.1	999.2	999.	998.9	997.5	997.8	60.2	997.6	997.2	994.9	996.7	60.1
29	983.8	54.4	984.7	985.4	985.1	984.4	983.8	54.	986.9	986.3	985.9	987.4	53.6
30	978.6	52.5	978.7	979.	977.6	979.5	985.2	53.5	980.2	981.	980.6	982.	52.3
Means	990.8	59.7	990.	990.2	990.3	990.6	990.1	59.4	990.6	990.5	990.6	990.4	59.2
Reduced to 32° Fah.	929.9		929.3	929.6	929.8	930.2	929.8		930.4	930.4	930.6	930.6	

† Rounded.

.....	978.1	55.4	979.2	981.1	982.1	983.3	986.3	55.8	987.1	988.	987.9	988.1
.....	978.7	57.6	977.6	976.1	974.4	974.6	974.9	58.5	974.8	975.4	976.9	†975.7
4.....	966.2	48.8	966.5	966.7	967.1	967.7	967.7	49 9	968.8	†970.6	969.5	969.5
5.....	977.2	56.4	977.8	975.1	974.8	971.6	972.1	56.1	971.7	973.6	973.2	*973.4
6.....	955.1	51.5	954.8	954.	955.	952.6	953.1	52.8	954.9	956.5	957.1	957.7
7.....	976.7	55.9	975.5	977.4	978.5	977.7	978.1	56.2	977.5	979.2	978.	†980.
8.....	965.1	53.8	964.9	968.8	970.1	971.1	975.	54.4	976.3	979.7	979.	981.3
9.....	978.2	55.1	979.3	977.5	978.4	977.5	978.5	55.1	979.3	975.4	974.7	975.7
11.....	980.1	50.5	978.8	980.8	979.7	980.3	981.	51.7	981.8	983.6	986.5	987.
12.....	992.8	55.3	*993.	991.6	990.5	990.9	992 5	55.6	989.6	988.5	989.1	990.8
13.....	959.3	36.9	958.6	958.6	956.1	956 6	954.5	36.3	955.9	956.2	956.	958.6
14.....	960.6	42.6	958.7	962.	959.2	960.3	959.6	43.3	961.9	964.1	964.1	965.5
15.....	983.6	52.1	983.7	984.3	983.9	984.	982.7	52.7	982.3	983.8	981.7	980.8
16.....	983.8	59.6	983.4	984.3	985.	986.1	985.6	60.7	986.4	987.3	989.3	989.4
18.....	972.3	57.7	972.9	974.1	974.7	975.9	976.1	58.3	977.3	977.5	979.7	979.7
19.....	976.2	57.1	977.4	976.9	977.3	979.2	979.	57.7	*979.1	979.	979.6	982.
20.....	978.8	58.1	979.1	980.6	981.4	980.7	981.5	58.9	982.5	*981.4	982.	983.2
21.....	988.9	60.9	990.	990.1	990 7	990.8	990.3	61.7	990.3	991.1	992.7	994.5
22.....	*996.7	60.3	996.8	996.4	996.1	996.7	995.5	60.2	997.6	997.2	997.4	998.2
23.....	1002.5	‡59.9	1003.	1004.2	1006.4	1008.1	1007.5	59.9	1008.7	1011.4	§1010.6	1011.6
25.....	988.2	54.	989.1	989.3	990.3	992.3	992.1	54.1	993.5	994.	994.4	995.
26.....	997.1	62.3	999.	1000.	999.8	1000 6	1002.5	62.8	1002.4	1003.1	‖1006.7	‖1007.3
27.....	989.	60.7	990.6	990.7	991.1	991.7	991.8	61.5	§993.1	995.4	996.9	998.2
28.....	†1004.2	61.6	1004.8	1008.8	1009.3	1010.4	1010.4	61.4	1010.4	1013.5	1014.2	1014.1
29.....	981.7	56.	981.9	982.2	983.9	984.6	985.1	56.1	986.	988.8	987.9	990.2
30.....	971.2	51.	972.2	972.1	975.2	974.	976.5	50.8	976.8	977.7	977.5	979.6
Means.....	980.1	55.	980.3	980.9	981.2	981.5	981.9	55.5	982.5	983.5	983.9	984.9
Reduced to 32° F.	929.5		929.5	929.9	930.	930.1	930.2		930.5	931.2	931.3	932.

* Two minutes late. † Forty-five seconds late. ‡ Supplied. § Thirty seconds late. ‖ One minute late.

Göttingen time Observatory time	*h. m.* 16 32 10 51½	Therm., Fah.	*h. m.* 16 38 10 57½	*h. m.* 16 44 11 03½	*h. m.* 16 50 11 09½	*h. m.* 16 56 11 15½	*h. m.* 17 02 11 21½	Therm., Fah.	*h. m.* 17 08 11 27½	*h. m.* 17 14 11 33½	*h. m.* 17 20 11 39½	*h. m.* 17 26 11 45½	Therm., Fah.
Dec. 1	988.5	55.6	†988.8	988.2	992.1	990.9	990.2	57.6	992.7	991.9	992.7	993.6	58.6
2	974.8	59.6	974.8	976.	976.6	975.4	975.8	60.9	976 5	978.3	‡978.5	*979.	62.2
4	969.4	51.4	970.6	972.3	973.1	973.	973.6	53.	973.2	974.8	973.5	*973.	54.8
5	972.8	57.	973.4	974.1	973.8	979.2	980.6	58.2	982.9	985.	985.	987.6	59.1
6	957.5	54.9	†957.5	958.6	959.9	960.7	961.	56.1	963.4	963.8	966.4	967.7	57.4
7	978.4	*56.8	979.5	981.4	980.7	982.6	981.6	57.5	981.7	982.2	981.9	980.8	*58.
8	983.2	*55.	984.5	982.8	984.8	984.6	984.7	55.7	982.3	979.5	981.	986.7	*56.5
9	975.2	55.4	975.4	976.3	979.4	980.5	982.6	56.	983.6	983.7	984.2	987.3	56.7
11	988.3	53.3	990.4	992.4	993.9	996.	996.8	54.6	997.8	1000.	998.2	997.4	55.3
12	992.5	56.3	‡991.8	993.4	992.5	990.8	991.6	56.8	991.8	992.	992.5	995.2	57.2
13	960.9	37.3	957.1	955.9	959.	963.	958.8	38.3	959.5	961.4	959.3	962.6	39.2
14	967.5	44.1	967.9	970.4	970.6	973.8	974.6	45.5	974.2	973.7	975.8	976.1	46.7
15	981.3	53.7	§982.	983.	986.4	987.5	988.8	55.	990.6	988.2	990.6	992.8	56.1
16	991.7	61.9	993.6	993.5	993.5	994.8	997.1	62.9	1000.2	¶1002.2	1002.	1001.9	63.6
18	979.7	59.1	982.8	‖982.8	984.1	985.9	986.4	59.6	986.7	988.3	988.9	990.9	60.1
19	980.9	58.3	981.1	981.7	981.5	982.7	981.4	59.2	982.	982.4	982.	982.4	59.8
20	982.4	59.9	983.7	984.3	982.4	985.7	986.6	61.1	988.8	988.7	988.6	990.3	62.2
21	994.4	63.2	995.7	994.9	997.2	997.7	998.6	62.6	997.5	999.5	998.8	1002.7	62.8
22	996.9	60.4	993.6	1000.8	999.	999.3	999.1	60.8	999.1	997.2	996.5	995.5	61.4
23	1012.1	60.	1012.6	1011.9	1010.4	1011.	1011.3	60.2	1011.4	1010.6	1010.9	1009.5	60.5
25	997.	54.7	998.4	997 5	998.1	998.6	998.2	55.6	999.2	1000.4	1002.1	1001.8	56.2
26	1007.8	63.5	1008.8	1008.3	1009.9	1010.6	1009.9	64.2	1012.4	1013.	1012.3	‡1014.1	64.7
27	1000.3	62.6	1001.7	1005.7	1010.3	1013.1	1015.	63.8	1014.2	1013.4	1014.1	1016.9	65.
28	1016.5	61.	1016.2	1019.1	1019.2	1018.2	1019.5	60.9	1019.6	1021.7	1021.3	1021.4	60.9
29	991.5	56.4	992.8	994.	991.6	995.7	994.5	57.	995.5	995.4	999.	1000.7	57.6
30	979.9	50.5	981.2	982.7	983.6	982.6	984.4	50.7	985.2	988.7	989.2	988.6	51.3
Means	985.4	56.2	986.2	987.	987.8	989.4	989.4	57.1	990.1	990.6	991.	992.2	57.8
Reduced to 32° Fah.	932.2		933.6	933.	933.4	934.6	934.2		934.6	934.8	934.9	935.4	

= [illegible] minutes later.

Göttingen time.. Observatory time.	A. m. 22 04 16 23½	Therm., Fah.	A. m. 22 10 16 29½	A. m. 22 16 16 35½	A. m. 22 22 16 41½	A. m. 22 28 16 47½	A. m. 22 34 16 53½	Therm., Fah.	A. m. 22 40 16 59½	A. m. 22 46 17 05½	A. m. 22 52 17 11½	A. m. 22 58 17 17½
Dec. 1	824.1	71.6	826.1	826.9	827.7	828.1	828.6	71.6	829.2	829.9	830.4	830.3
2	772.7	67.4	771.9	770.8	770.1	768.8	767.7	66.8	767.1	765.7	764.8	764.1
4	722.4	61.4	717.3	715.	711.8	708.9	706.2	*62.9	703.6	700.5	697.5	694.3
5	813.	71.3	813.7	816.7	818.6	821.1	823.9	72.6	825.7	827.7	829.3	831.4
6	799.5	68.5	797.2	797.3	797.	795.9	795.1	68.	794.8	794.5	793.4	791.7
7	734.6	66.1	735.8	736.9	737.3	738.1	739.9	66.	740.8	741.4	741.9	742.3
8	763.8	67.1	764.2	764.4	765.4	766.	766.9	*67.1	767.7	767.7	769.1	769.1
9	762.9	66.8	762.8	762.5	762.1	762.	761.3	66.2	760.6	759.2	757.9	756.6
11	673.2	60.4	674.1	676.1	676.7	677.4	679.	61.3	680.8	681.9	683.9	685.
12	742.	64.2	741.4	741.1	740.6	739.6	739.4	63.8	739.1	738.3	738.5	737.5
13	583.3	53.5	584.9	586.	586.3	587.3	587.6	53.4	588.2	588.5	588.9	589.3
14	691.5	61.7	687.5	688.7	690.1	691.4	692.4	61.9	694.	695.	695.6	696.2
15	786.	70.	787.	787.7	790.	791.2	792.4	70.2	793.3	795.	796.1	797.1
16	792.7	68.5	792.3	792.	792.1	792.	792.1	68.7	792.2	792.4	792.8	792.9
18	769.7	66.	769.1	768.5	768.4	768.3	768.2	66.	767.9	767.6	767.7	767.7
19	771.4	66.5	771 6	771.6	772.7	772.6	773.3	67.	773.9	772.5	775.2	775.9
20	843.7	72.5	844.3	845.	844.9	844.9	844.7	72.3	845.	844.5	841.5	844.6
21	793 3	69.1	793.4	794.	794 1	794.5	795.3	69.3	796.2	797.	798.	798.2
22	834.5	72.4	835.7	837.	838.3	839.2	840.8	72.7	842.2	843.1	842.9	843.9
23	801.4	68.7	801.1	800.9	800.5	799.7	798.2	67.6	797.	796.1	794.6	792.5
25	791.7	69.7	793.9	796.2	798.3	800.6	802.6	70.4	804.5	806.7	808.3	810.9
26	821.1	70.	820.	818.7	818.1.	817.7	816.9	69.8	816.2	815.3	814.6	813.8
27	835.2	70.6	833.6	831.9	830.4	828.2	826.7	69.8	824.9	823.3	821.8	820.7
28	716.8	63.9	717.1	717.1	717.2	717.	716.7	63.6	716.3	715.9	715.7	715.1
29	730.1	64.5	729.2	728.5	727.9	727.6	726.4	*63.7	725.3	724.1	723.	722.
30	634.2	59.	634.8	635.6	636.6	637.6	638.8	59.5	639.8	640.9	641.5	642.4
Means	761.7	66.6	761.5	761.8	762.	761.9	762.3	66.6	762.2	762.5	762 6	762.5
Reduced to 32° F.	294.6		294.4	294.7	294 9	294.8	295.2		295.1	295.4	295.5	295.4

* Supplied.

Göttingen time..... Observatory time.....	*h. m.* 23 04 17 23½	Therm., Fah.	*h. m.* 23 10 17 29½	*h. m.* 23 16 17 35½	*h. m.* 23 22 17 41½	*h. m.* 23 28 17 47½	*h. m.* 23 34 17 53½	Therm., Fah.	*h. m.* 23 40 17 59½	*h. m.* 23 46 18 05½	*h. m.* 23 52 18 11½	*h. m.* 23 58 18 17½	Therm., Fah.
Dec. 1.....	830.7	71.8	831.2	831.1	832.	831.9	832.7	71.7	833.9	834.4	833.2	831.8	70.8
2.....	763.1	66.7	762.1	760.7	760.	758.7	757.3	66.6	757.	754.5	753.6	752.3	64.8
4.....	691.4	64.3	688.2	685.2	682 5	679.9	677.9	*64.2	675.	672.	670.	666.7	64.
5.....	833.3	72.9	834.8	836.9	838.5	840.4	842.2	73.1	842.9	844.4	845.1	844.8	72.3
6.....	790.3	67.5	787.4	786.1	784.4	782.4	781.5	66.8	779.2	777.6	776.1	774.7	66.3
7.....	742.2	65.6	741.7	742.1	742 2	742.	741.8	65.5	741.7	741.4	741.	740.5	65.3
8.....	769.3	67.1	769.3	769.2	768.8	768.3	768.3	66.2	767.1	766.	765.6	763.3	65.
9.....	755.1	64.9	753.2	751.9	750.6	749.5	747.2	64.5	745.7	713 9	742.7	741.2	63.9
11.....	686.6	62.3	688.4	690.	691.1	693.2	695.	62.8	696.1	697.9	700.1	711.7	63.5
12.....	735.	63.	733 5	731.4	729.2	726.3	722.8	61.4	719 1	715.7	714 5	709.7	59.
13.....	590.	53.4	589.6	590.	590.1	589.2	589.9	53.2	590.	590.	590.4	590.6	52.9
14.....	697.5	62.1	698.2	699.1	700.3	701.1	702.	62.1	702.7	703.	703.2	703.2	61.6
15.....	798.4	70.3	799.6	800.	801.3	802.	802.1	70.2	802.4	802.7	802.4	802.7	69.8
16.....	793.2	69.2	793.3	793.9	794.2	794.9	794.8	68.9	†794.7	794.9	794.7	794.1	68.4
18.....	767.4	66.	767.1	766 7	767.3	767.2	767.4	65.9	‡767.3	767.4	767.4	767.1	65.9
19.....	776.8	67.7	777.7	778.5	779.3	780.2	781.1	67.7	781.6	782.	782.2	782.3	67.3
20.....	844.2	72.2	843.9	843.9	843.2	842.6	842.1	71.5	841.1	840.5	839.9	839.1	70.8
21.....	798.5	69.6	799.6	800.3	810.1	802.5	803.	70.	800.	805.	806 1	806.7	70.
22.....	844.	72.7	844.	843.9	844.2	844.3	844.5	72.1	844.	843.6	843.2	842.9	71.8
23.....	792.1	67.1	791.1	790.1	788.5	787.4	786 3	66.9	785.5	784.7	783.7	782.7	66.8
25.....	813.5	71.2	814.6	817.5	818.6	820.7	822.6	71.6	823.7	825.6	827.2	828 2	71.8
26.....	812.7	69.6	811.9	811.	810.3	809.8	809.	69.4	808.4	808.1	807.5	806.7	69.5
27.....	818.7	69.5	816.9	815.7	814.1	813.3	811.8	69.5	808.3	807.6	807.2	806 2	69.5
28.....	714.7	63.7	714.8	714.7	715.	715.1	715.6	64.4	716.2	716.8	717.6	718.2	64.7
29.....	720.1	63.	718 3	716 9	715.4	713.2	711.1	62.1	709.9	708.	706 3	704.9	61.5
30.....	642.8	59.3	643.7	643.8	644.1	644.1	644.	59.7	643.8	643.5	643.9	643.4	58.5
Means.....	762.3	66.6	762.1	761.9	762.1	761.5	761.3	66.5	760 7	760.4	760.2	759.8	66.
Reduced to 32° Fah.....	295.2		295.2	295.4	295.9	295.6	295.6		296.7	296.1	299.5	300.8	

Göttingen time.. Observatory time.	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Dec. 1	732.6	63.	721.8	720.7	716.8	716.9	716.5	61.9	716.3	713.7	713.	*709.6
2	716.3	63.1	716.	715.5	715.2	714.7	713.9	62.7	712.9	712.6	711.3	709.8
4	571.1	52.2	571.7	572.1	572.1	572.4	572.3	51.8	571.8	571.6	571.3	570.7
5	746.8	63 6	746.	745.	744.	743.	742.3	63.3	740.9	739.7	738.9	738.1
6	608.6	55.	608.6	608.2	607.6	607.5	606.9	54.6	606.	605.4	604.7	603.5
7	701.8	63.	702.4	702.5	703.2	703.5	703.9	62.3	703.3	703.1	702.2	702.1
8	618.6	56.6	619.2	619.	619.1	619.4	619.3	56.2	619.	618.5	617.9	617.4
9	640.9	58.3	641.4	641.9	642.4	642.4	643.1	58.4	643.5	643.5	643.7	643.8
11	558.	51.8	558.7	559.5	560.4	560.7	561.2	51.2	561.	561.1	561.3	561.1
12	680.7	60.	680.4	680.6	680.5	680.7	680.8	59.9	680.7	680.2	680.3	679.9
13	515.7	46.7	515.7	514.2	513.7	513.	512.8	46.7	511.7	511.	510.5	510.2
14	486.	44.1	486.	485.7	485.3	485.1	484.9	44.	484.3	483.8	*483.1	483.
15	648.2	56.7	647.7	647.2	646.6	645.8	643.5	56.2	642.7	640.8	640.	638.7
16	716.3	62.3	715.4	715.	714.5	714.1	713.9	63.	713.7	713.3	712.9	712.8
18	629.3	58.3	631.4	633.5	635.5	637.5	639.3	58.9	641.2	643.1	644.9	646.8
19	704.7	61.7	704.5	704.2	704.6	705.	705.2	61.9	705.4	705.3	705.2	705.1
20	715.5	61.8	715.1	714.5	713.8	713.6	713.6	62.	713.3	712.8	712.5	712.
21	754.4	64.7	753.	751.4	750.2	748.4	746.8	63.9	745.6	743.2	†740.3	736.3
22	734.5	63.9	733.8	733.1	732.5	732.4	731.8	64.	731.5	731.2	730.8	730.4
23	728.9	63.9	728.5	727.9	727.5	727.2	726.2	63.4	725.1	724	723.1	722.8
25	636.6	57.3	637.2	637.7	638.2	638.8	638.8	57.	638.8	638.8	638.7	637.9
26	748.9	64.9	748.5	748.1	747.6	747.2	746.2	65.	745.	743.6	742.5	741.6
27	751.3	66.3	751.9	752.2	752.8	753.	752.8	66.	755.3	752.7	751.9	751.3
28	763.6	67.3	763.5	763.3	763.4	763.1	763 5	67.4	763.2	763.6	763.8	763.
29	718.6	63.	717.3	716.5	715.2	713.8	713.1	62.3	711.6	711.2	709.1	707.8
30	*604.3	55.1	604.4	604.3	604.6	605.	604.9	55.1	604.9	604.1	603.4	602.6
Means	670.1	59.6	670.	669.8	669.6	669.4	669.1	59.2	668.8	668.2	667.5	666.9
Reduced to 32° F.	297.5		298.5	299.4	300.3	301.2	301.9		302.1	302.1	302.	301.9

* One minute late.

† Supplied.

Göttingen time Observatory time	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
Dec. 1	708.1	61.	706.	702.	700.8	699.1	696.1	60.1	694.8	692.7	691.	689.2	59.9
2	709.2	61.9	708.	707.4	705.9	703.9	702.1	61.1	700.8	700.	698.6	697.4	60.9
4	570.3	51.6	569.6	569.1	567.7	567.8	568.	51.9	568.1	568.4	568.4	569.1	52.
5	736.7	63.	735.5	734.4	733.1	731.9	730.9	62.6	729.7	728.9	728.2	727.2	62.3
6	603.5	55.	602.9	602.9	603.5	603.1	603.1	55.3	603.	603.4	604.1	604.1	55.4
7	700.8	61.8	699.8	698.	697.	695.6	694.4	60.9	693.6	692.2	690.7	689.8	60.1
8	617.3	56.3	616.8	616.5	617.3	617.2	617.5	56.4	617.6	618.2	618.8	619.2	57.
9	643.6	58.4	644.4	644.5	643.8	643.7	643.4	58.1	643.5	643.2	643.6	643.8	58.2
11	561.8	51.2	561.8	562 8	563.2	563.9	564.9	52.1	566.1	567.2	568.7	570.9	53.2
12	679.4	59.6	679.1	678.7	678.8	678.9	678.9	59.1	678.7	678.1	677.8	677.2	59.2
13	509.5	46.8	508.8	508.9	508.6	508.3	507.8	46.4	507.3	506 2	508.	511.7	46.
14	482.9	43.7	483.1	483.8	484.5	485.5	485.8	45.5	487.2	488.5	490.	491.8	46.4
15	637.2	56.	636.8	635.7	634.8	633.6	632.5	56.	631.5	631.4	630.7	630.2	55.8
16	712.6	62.9	712.6	712.5	712.5	712.2	711.8	62.4	711.2	711.3	711.5	711.5	62.7
18	648.4	59.4	650.4	652.	653.8	655.2	656.6	59.9	657.0	659.5	661.1	662.7	60.3
19	705.	61.8	705.3	705.	704.4	703.9	703.4	61.2	702.6	702.7	702.3	702.	60.9
20	711.9	62.1	711.3	710.9	711.	710.5	710.1	62.2	709.9	709.2	709.5	710.	62.1
21	736.5	63.	734.3	732 5	731.	729.5	728.3	63.2	727.2	726.6	725.8	724.8	64.
22	730.2	64.	729.8	729.6	729.4	729.3	729.	64.	728.3	728.2	728.2	727.3	63.7
23	722.3	63.4	721.6	721.	721.1	721.6	720.5	63.5	719.3	718.9	718.6	718.9	63.7
25	637.4	*57.1	636.9	636.3	636.5	636.	635.9	57.2	636.2	636.6	637.1	637.4	57.4
26	740.2	64.7	738.9	738.1	732.	727.8	728.	64.6	728.	728.4	728.9	730.4	65.5
27	750.2	65.2	749.5	747.8	746.8	745.8	745 3	65.	744.9	744.5	743.8	743.8	65.2
28	762.2	67.	761.5	761.	760.8	760.2	759.3	66.8	759.	759.1	759.2	758.8	66.2
29	705.9	61.9	703.8	702.1	699.7	697.4	695.8	61.7	693.7	692.4	691.4	690.8	61.5
30	601.7	55.2	†601.3	601.1	600.9	601.1	601.3	56.	602.1	602.9	604.2	605.4	56.5
Means	666.3	59.	665.8	665.2	664.6	664.	663.5	59.	663.4	663.1	663.1	663.3	59.1
Reduced to 32° Fah.	301.8		301.3	300.7	300.1	299.5	299.		298.6	298.	297.7	297.5	

MAGNETIC OBSERVATORY

AT THE

GIRARD COLLEGE, PHILADELPHIA.

RAORDINARY MAGNETIC OBSERVATIONS,

IN THE YEAR 1843.

GENERAL NOTES.

In resuming the magnetic observations in April, 1843, it was intended that special atte should be paid to the observations on occasions of unusual changes in the magnetic elements. force at the observatory was increased for the purpose, and other means taken to stimulat observers to vigilance in regard to the occurrence of disturbances, and to frequent observa while they lasted. The results are given in the following pages. I have thus far no mea knowing whether the vigilance of the observers was sufficient to enable them to detect all th turbances noticed at other observatories within the range of influence of the phenomena.

The observations were generally made at term day intervals.

When practicable, observations were made at the same time for changes of declinatio horizontal force with subsidiary instruments in one of the College buildings. Particular re reference will be found under the head of each disturbance.

The value of the divisions of the scale of the subsidiary horizontal force instrument, in te those at the observatory, considering the changes as measures of force, was, from Febru December, 1843, for each division 2.6 of the observatory. The value of the scale of the nometer was not determined.

EXTRAORDINARY OBSERVATIONS.

Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
.....	866.5	69.3	.....	....	See observations during this disturbance with subsidiary instruments, the records of which follow this.
.....	865.6	....	.....	....	
.....	743.	....	.....	....	
.....	782.7	....	.....	....	
.....	822.5	....	.....	....	
.....	825.7	....	.....	....	
.....	839.5	....	.....	....	
.....	860.4	....	.....	....	
.....	843.1	....	.....	....	
.....	817.7	....	.....	....	
534.2	.....	....	.....	....	
.....	790.1	69.2	.....	....	
.....	.....	....	725.6	71.2	
.....	799.7	....	.....	....	
.....	.....	....	721.	....	
.....	849.	....	.....	....	
.....	.....	....	717.2	....	
538.5	.....	....	.....	....	
.....	794.7	....	.....	....	
.....	.. ..	....	715.	....	
542.3	.....	....	.....	....	
.....	783.5	....	.....	....	
.....	.....	....	714.2	....	
542.2	.....	....	.....	....	
.....	774.4	69.	.....	....	
.....	.....	....	710.2	70.9	
545.7	.....	....	.....	....	
.....	760.	....	.....	....	
.....	.....	....	705.9	....	
554.	.....	....	.....	....	
.....	753.5	....	.....	....	
.....	.....	....	698.1	....	
550.7	.....	....	.....	....	
.....	771.5	....	.....	....	
.....	.....	....	690.	....	
551.	.....	....	.....	....	
.....	779.1	....	.....	....	
.....	.....	....	682.7	....	
541.7	.....	....	.....	....	
.....	777.2	....	.....	....	
.....	.....	....	674.7	70.5	
533.5	.....	....	.....	....	
.....	800.5	....	.....	....	
.....	.....	....	661.2	....	
565.2	.....	....	.....	....	
.....	792.2	....	.....	....	
.....	.....	....	673.7	....	
563.2	.....	....	.....	....	
.....	794.3	....	.....	....	
.....	.....	....	668.2	....	
556.7	.....	....	.....	....	
.....	755.7	....	.....	....	
.....	.....	....	646.3	....	
540.5	.....	....	.....	....	

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks
h. m.						
23 32.....	.....	707.2	....	.....	....	
23 34.....	.....	.....	....	607.5	70.3	
23 36.....	546.5	.....	....	.....	....	
23 38.....	.....	670.6	....	.....	....	
23 40.....	.....	.....	....	573.	....	
23 42.....	578.5	.....	....	.....	....	
23 44.....	.....	543.2	....	.....	....	
23 46.....	.....	.....	....	588.	....	
23 48.....	526.4	.....	....	.....	....	
23 50.....	.....	633.5	....	.....	....	
23 52.....	.....	.....	....	567.	....	
23 54.....	542.	736.	....	.....	....	
23 56.....	543.2	.....	....	582.7	....	
23 58.....	536.3	776.5	....	.....	....	
0 00.....	536.7	792.	....	.....	....	
0 02.....	546.	.....	....	578.1	....	
0 04.....	558.	847.2	69.2	.....	....	
0 06.....	561.5	866.4	....	.....	....	
0 08.....	558.5	.....	....	621.1	....	
0 10.....	554.	893.	....	.....	....	
0 12.....	548.	901.1	69.1	.....	....	
0 14.....	544.2	.....	....	630.2	....	
0 16.....	545.5	939.2	....	.....	....	
0 18.....	553.5	964.4	....	.....	....	
0 20.....	560.4	.....	....	627.4	....	
0 22.....	560.2	971.7	....	.....	....	
0 24.....	560.3	980.7	....	.....	....	
0 26.....	559.4	.....	....	648.5	....	
0 28.....	558.4	977.	....	.....	....	
0 30.....	555.7	978.	....	.....	....	
0 32.....	553.7	.....	....	657.9	....	
0 34.....	551.7	983.9	....	.....	....	
0 36.....	.....	987.7	....	.....	....	
0 38.....	546.1	.....	....	669.1	....	
0 40.....	544.7	991.2	....	.....	....	
0 42.....	542.6	996.7	....	.....	....	
0 44.....	541.7	.....	....	675.3	....	
0 46.....	541.4	1001.8	....	.....	....	
0 48.....	.....	1003.6	....	.....	....	
0 50.....	.....	.....	....	679.4	....	
0 52.....	545.5	1001.8	....	.....	....	
0 54.....	545.7	998.4	....	.....	....	
0 56.....	544.9	.....	....	683.5	....	
0 58.....	545.	992.6	....	.....	....	
1 00.....	545.	991.5	....	.....	....	
1 02.....	545.2	.....	....	689.	....	
1 04.....	545.7	989.	....	.....	....	
1 06.....	546.3	986.9	....	.....	....	
1 08.....	546.2	.....	....	693.	69.3	
1 10.....	545.7	979.2	....	.....	....	
1 12.....	543.2	968.2	....	.....	....	
1 14.....	543.6	.....	....	696.5	....	
16.....	542.7	977.7	....	.....	....	
1.....	541.4	976.	....	.....	....	

EXTRAORDINARY OBSERVATIONS.

	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
..	541.5	.....	....	697.6	....	
..	541.7	975.5	....	.....	....	
..	542.3	976.	....	.....	....	
..	542.3	.....	....	699.	....	
..	543.7	976.	67.7	.....	....	Foggy; cumuli moving from
..	544.5	976.4	....	.....	....	southeast: cumuli and cirro-
..	544.7	.....	....	699.8	....	cumuli to north; bright light.
..	545.5	976.4	....	.....	....	
..	546.2	974.7	....	.....	....	
..	548.	.....	....	702.8	69.	
..	549.5	969.3	....	.....	....	
..	548.5	967.8	....	.....	....	
..	550.	.....	....	705.	....	
..	549.	961.7	....	.....	....	
..	547.8	.....	....	.....	....	
..	548.2	.....	....	705.7	....	
..	549.3	961.9	....	.....	....	
..	549.	962.4	....	.....	....	
..	550.1	.....	....	705.9	....	
..	550.	960.8	....	.....	....	
..	550.9	962.9	....	.....	....	
..	551.	.....	67.6	706.	....	
..	552.4	961.6	....	.....	....	
..	552.6	961.3	....	.....	....	Sky covered with thick heavy
..	552.4	.....	....	705.5	68.9	clouds.
..	553.	958.5	....	.....	....	
..	552.9	958.3	....	.....	....	
..	553.5	.....	....	705.9	....	
..	554.	955.4	....	.....	....	
..	554.1	951.8	....	.....	....	
..	552.7	.....	....	705.8	....	
..	552.7	953.7	....	.....	....	
..	553.5	952.5	....	.....	....	
..	550.7	.....	....	705.8	....	
..	551.8	955.3	67.3	.....	....	
..	552.6	955.9	....	.....	....	
..	553.9	.....	....	705.9	....	
..	552.	955.8	....	.....	....	
..	554.	956.5	....	.....	....	
..	551.6	.....	....	705.6	....	
..	550.8	974.7	....	.....	....	
..	550.1	979.2	....	.....	....	
..	553.9	.....	....	704.	....	
..	556.8	960.8	....	.....	....	
..	557.5	959.	....	.....	....	
..	557.5	.....	....	706.	....	
..	558.5	962.9	....	.....	....	Sky still overcast.
..	558.7	.....	....	.....	....	
..	.....	.....	....	.....	....	
..	560.1	960.	....	.....	....	
..	561.	959.	....	.....	....	
..	562.2	.....	....	707.	....	
..	563.1	952.2	....	.....	....	
..	562.5	.....	....	.....	....	

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.
h. *m.*					
3 08.....	563.5	.....	....	707.2	....
3 10.....	563.4	940.7	....	.....	....
3 12.....	562.7	947.	....	.....	....
3 14.....	562.8	.....	....	704.4	....
3 16	562.6	950.	....	.....	....
3 18.....	563.2	.....	....	.....	....
3 20.....	564.	.....	....	703.9	....
3 22.....	565.2	956.5	....	.....	....
3 24.....	566.5	955.	....	.....	....
3 26.....	565.9	.....	....	703.	....
3 28.....	566.5	951.3	66.9	.....	....
3 30.....	565.9	952.2	....	.....	....
3 32.....	566.7	.....	....	702.9	....
3 34.....	568.1	952.7	....	.....	....
3 36.....	569.2	964.5	....	.....	....
3 38.....	571.2	.....	....	702.	....
3 40.....	573.2	956.	....	.....	....
3 42.....	573.9	958.	....	.....	....
3 44.....	574.1	.....	....	699.3	....
3 46.....	578.2	960.7	....	.....	....
3 48.....	583.	956.4	....	.....	....
3 50.....	586.4	.....	....	699.	....
3 52.....	584.7	952.7	....	.....	....
3 54.....	582.	957.1	....	.....	....
3 56.....	580.7	.....	....	697.4	....
3 58.....	582.7	.....	....	.....	....
4 00.....	582.	965.9	.. .	.....	....
4 02.....	578.8	.....	....	670.1	70.
4 04.....	577.5	966.4	....	.....	....
4 06.....	575.1	973.2	....	.....	....
4 08.....	572.7	977.7	....	.....	....
4 10.....	570.8	.....	....	.....	....
4 12.....	568.3	.....	....	.....	...
4 14.....	566.9	.....	....	.....	....
4 16.....	567.3	.....	....	.....	....
4 18.....	568.	984.	....	.....	....
4 20.....	568.	987.	....	.....	....
4 22.....	568.	.....	....	.....	....
4 24.....	567.3	987.5	....	.....	....
4 26.....	569.8	.....	....	700.	....
4 28.....	571.3	.....	....	.....	....
4 30.....	575.3	.....	....	.....	....
4 32.....	581.8	.....	....	.....	....
4 34.....	587.6	.....	....	.....	....
4 36.....	589.2	954.	....	.....	....
4 38.....	581.3	.....	....	698.5	....
4 40.....	580.3	952.2	....	.....	....
4 42.....	585.	912.7	66.1	.....	....
4 44.....	589.7	.....	....	692.5	....
4 46.....	587.2	871.	....	.....	....
4 48.....	581.3	863.2	....	.....	....
4 50.....	580.8	.....	....	692.2	67.5
4 52.....	585.6	857.3	....	.....	....
4 54.....	585.5	861.2	....	.....	....

	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
...	589.	.....	....	691.3	....	
...	592.6	886.8	....	.....	....	
...	593.3	884.7	....	.....	....	
...	593.	.....	....	693.1	....	
...	583.3	847.6	....	.....	....	
...	576.	845.	....	.....	....	
...	566.	.....	....	693.3	67.3	
...	561.4	880.2	....	.....	....	
...	561.4	911.	....	.....	....	
...	567.3	.....	....	693.	....	
...	572.	919.3	....	.....	....	
...	570.	930.3	....	.....	....	
...	566.4	.....	....	698.7	....	
...	563.5	935.3	....	.....	....	
...	559.3	938.1	....	.....	....	
...	555.1	.....	....	707.	....	
...	556.7	962.3	....	.....	....	
...	550.3	988.	....	.....	....	
...	552.	.....	....	721.6	....	
...	555.6	1013.7	65.8	.....	....	
...	.....	1025.3	....	.....	....	
...	560.8	.....	....	733.5	67.1	
...	588.1	1068.3	....	.....	....	
...	559.2	1092.	65.7	.....	....	
...	561.6	.....	....	751.4	....	
...	561.5	1123.3	....	.....	....	
...	561.6	1132.7	....	.....	....	
...	560.5	1145.3	....	760.9	....	
...	559.3	1156.	....	.....	....	
...	556.5	1174.5	....	.....	....	
...	549.3	1215.3	....	782.	....	
...	561.2	1192.	65.5	.....	....	
...	578.5	1154.3	....	.....	....	
...	582.4	1150.3	....	762.8	....	
...	585.1	1151.3	65.6	.....	....	
...	588.3	1139.7	....	.....	....	
...	589.3	1125.7	....	763.	67.	
...	588.6	1117.1	....	.....	....	
...	587.7	1106.	....	.....	....	
...	586.5	1088.3	....	767.2	....	
...	580.8	1081.	....	.....	....	
...	575.3	1081.3	....	.....	....	
...	576.	.....	....	771.5	....	
...	572.2	1040.	....	.....	....	
...	565.6	1047.5	....	.....	....	
...	553.3	.....	....	765.2	....	
...	535.9	1078.5	....	.....	....	
...	516.6	1119.	....	.....	....	
...	499.2	.....	....	785.7	....	
...	493.	1137.1	....	.....	....	
...	494.9	1099.	....	.....	....	
...	502.7	.....	....	795.2	....	
...	515.	.....	....	.....	....	
...	532.6	.....	....	.....	....	

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
h. m.						
6 44.....	533.2	.....	....	768.	....	
6 46.....	531.4	1053.2	....	.....	....	
6 48.....	532.4	1040.	....	.....	....	
6 50.....	541.1	.....	....	756.5	....	
6 52.....	540.	1017.	65.3	.....	....	
6 54.....	541.9	1031.5	....	.....	....	
6 56.....	546.1	.....	....	766.2	66.5	
6 58.....	553.9	1036.2	....	.....	....	
7 00.....	567.7	1025.1	65.5	.....	....	
7 02.....	583.7	.....	....	748.	....	
7 04.....	590.5	988.2	....	.....	....	
7 06.....	603.4	964.6	....	.....	....	
7 08.....	600.6	.....	....	730.	66.5	
7 10.....	599.7	960.5	....	.....	....	
7 12.....	601.3	955.7	....	.....	....	
7 14.....	600.2	.....	....	720.	....	
7 16.....	596.	950.5	65.	.....	....	
7 18.....	597.7	949.	....	.....	....	
7 20.....	598.	.....	....	711.6	....	
7 22.....	598.5	949.5	....	.....	....	
7 24.....	597.3	951.	....	.....	....	
7 26.....	597.2	.....	....	701.9	....	
7 28.....	597.7	950.2	....	.....	....	
7 30.....	598.2	952.4	65.	.....	....	
7 32.....	598.6	.....	....	694.3	....	
7 34.....	597.7	946.2	....	.....	....	
7 36.....	596.1	945.4	....	.....	....	
7 38.....	592.7	.....	....	690.2	66.2	
7 40.....	592.2	948.6	....	.....	....	
7 42.....	591.	949.7	....	.....	....	
7 44.....	590.6	.....	....	686.4	....	
7 46.....	591.2	954.5	65.	.....	....	
7 48.....	591.	952.3	....	.....	....	
7 50.....	590.5	.....	....	685.	....	
7 52.....	588.4	948.	....	.....	....	
7 54.....	587.4	947.4	....	.....	....	
7 56.....	583.2	.....	....	682.2	....	
7 58.....	579.2	950.	....	.....	....	Sky hazy; light to l
8 00.....	578.5	955.	64.7	.....	....	23° high, but fai
8 02.....	581.5	.....	....	681.	....	
8 04.....	582.2	947.	....	.....	....	
8 06.....	583.2	943.5	....	.....	....	
8 08.....	585.6	.....	....	682.5	66.	
8 10.....	585.1	941.7	....	.....	....	
8 12.....	584.7	945.4	....	.....	....	
8 14.....	585.1	.....	....	681.	....	
8 16.....	584.9	942.5	64.6	.....	....	
8 18.....	582.5	942.7	....	.....	....	
8 20.....	580.8	.....	....	680.7	....	
8 22.....	580.8	932.2	....	.....	....	
8 24.....	581.5	926.5	....	.....	....	
.....	584.	.....	....	678.7	....	
....	587.	899.2	....	.....	....	
...	586.1	890.5	64.5	.....	....	

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
h. m.						
8 32.....	585.9	.....	....	679.	....	
8 34.....	584.2	879.7	....	.....	....	
8 36.....	581.7	883.	....	.....	....	
8 38.....	580.2	.....	....	680.6	65.8	
8 40.....	578.5	888.7	....	.....	....	
8 42.....	576.5	884.	....	.....	....	
8 44.....	575.7	.....	....	682.	....	
8 46.....	574.	900.2	64.5	.....	....	
8 48.....	573.7	904.5	....	.....	....	
8 50.....	572.6	.....	....	682.2	....	
8 52.....	572.	912.9	....	.....	....	
8 54.....	571.7	915.	....	.....	....	
8 56.....	572.4	.....	....	681.9	....	
8 58.....	572.7	920.2	....	.....	....	
9 00.....	575.2	918.	64.3	.....	....	
9 02.....	575.1	.....	....	679.5	....	
9 04.....	576.3	913 3	....	.....	....	
9 06.....	574.3	916.	....	.....	....	
9 08.....	576.8	.....	....	676.2	65.5	
9 10.....	578.8	920.2	....	.....	....	
9 12.....	580.2	916.2	....	.....	....	
9 14.....	580.6	.....	....	674.4	....	
9 16.....	580.7	923.2	64.2	.....	....	
9 18.....	582.9	919.4	....	.....	....	
9 20.....	580.4	.....	....	672.	....	
9 22.....	580.5	924.7	....	.....	....	
9 24.....	584.2	921.2	....	.....	....	
9 26.....	585.2	.....	....	669.	....	
9 28.....	.....	917.	....	.....	....	
9 30.....	584.1	926.	64.1	.....	....	
9 32.....	583.1	.....	....	666.5	....	
9 34.....	585.	922.	....	.....	....	
9 36.....	583.5	920.5	....	.....	....	
9 38.....	580.7	.....	....	664.	65.3	
9 40.....	578.7	917.8	....	.....	....	
18.....	568.1	.....	....	.....	....	May 7.
20.....	.....	927.8	78.8	.....	....	
22.....	.....	.....	....	855.1	80.9	
24.....	562.8	.....	....	.....	....	
26.....	.....	946.6	....	.....	....	
28.....	.....	.....	....	855.4	....	
30.....	562.3	.....	....	.....	....	
32.....	.....	954.9	....	.....	....	
34.....	.....	.....	....	855.5	....	
36.....	564.8	.....	....	.....	....	
38.....	.....	956.6	....	.....	....	
40.....	.....	.....	....	854.9	....	
....	566.6	.....	....	.....	....	
....	.....	956.6	....	.....	....	
....	.....	.....	....	854.9	....	
....	561.6	.....	....	.....	....	
....	.....	958.9	....	.....	....	
....	.....	.....	....	855.5	....	
....	565.5	.....	....	.....	....	

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
h. m.						
6 44.....	533.2	.....	....	768.	....	
6 46.....	531.4	1053.2	....	.....	....	
6 48.....	532.4	1040.	....	.....	....	
6 50.....	541.1	.....	....	756.5	....	
6 52.....	540.	1017.	65.3	.....	....	
6 54.....	541.9	1031.5	....	.....	....	
6 56.....	546.1	.....	....	766.2	66.5	
6 58.....	553.9	1036.2	....	.....	....	
7 00.....	567.7	1025.1	65.5	.....	....	
7 02.....	583.7	.....	....	748.	....	
7 04.....	590.5	988.2	....	.....	....	
7 06.....	603.4	964.6	....	.....	....	
7 08.....	600.6	.....	....	730.	66.5	
7 10.....	599.7	960.5	....	.....	....	
7 12.....	601.3	955.7	....	.....	....	
7 14.....	600.2	.....	....	720.	....	
7 16.....	596.	950.5	65.	.....	....	
7 18.....	597.7	949.	....	.....	....	
7 20.....	598.	.....	....	711.6	....	
7 22.....	598.5	949.5	....	.....	....	
7 24.....	597.3	951.	....	.....	....	
7 26.....	597.2	.....	....	701.9	....	
7 28.....	597.7	950.2	....	.....	....	
7 30.....	598.2	952.4	65.	.....	....	
7 32.....	598.6	.....	....	694.3	....	
7 34.....	597.7	946.2	....	.....	....	
7 36.....	596.1	945.4	....	.....	....	
7 38.....	592.7	.....	....	690.2	66.2	
7 40.....	592.2	948.6	....	.....	....	
7 42.....	591.	949.7	....	.....	....	
7 44.....	590.6	.....	....	686.4	....	
7 46.....	591.2	954.5	65.	.....	....	
7 48.....	591.	952.3	....	.....	....	
7 50.....	590.5	.....	....	685.	....	
7 52.....	588.4	948.	....	.....	....	
7 54.....	587.4	947.4	....	.....	....	
7 56.....	583.2	.....	....	682.2	....	
7 58.....	579.2	950.	....	.....	....	Sky hazy; light to N., about 23° high, but faint.
8 00.....	576.5	955.	64.7	.....	....	
8 02.....	581.5	.....	....	681.	....	
8 04.....	582.2	947.	....	.....	....	
8 06.....	583.2	943.5	....	.....	....	
8 08.....	585.6	.....	....	682.5	66.	
8 10.....	585.1	941.7	....	.....	....	
8 12.....	584.7	945.4	....	.....	....	
8 14.....	585.1	.....	....	681.	....	
8 16.....	584.9	942.5	64.6	.....	....	
8 18.....	582.5	942.7	....	.....	....	
8 20.....	580.8	.....	....	680.7	....	
8 22.....	580.8	932.2	....	.....	....	
8 24.....	581.5	926.5	....	.....	....	
8 26.....	584.	.....	....	678.7	....	
8 28.....	587.	899.2	....	.....	....	
8 30.....	586.1	890.5	64.5	.....	....	

Göttingen time.		Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	
h.	*m.*						
8	32.....	585.9	.....	....	679.	....	
8	34.....	584.2	879.7	....	.....	....	
8	36.....	581.7	883.	....	.....	....	
8	38.....	580.2	.....	....	680.6	65.8	
8	40.....	578.5	888.7	....	.....	....	
8	42.....	576.5	884.	....	.....	....	
8	44.....	575.7	.....	....	682.	....	
8	46.....	574.	900.2	64.5	.....	....	
8	48.....	573.7	904.5	....	.....	....	
8	50.....	572.6	.....	....	682.2	....	
8	52.....	572.	912.9	....	.....	....	
8	54.....	571.7	915.	....	.....	....	
8	56.....	572.4	.....	....	681.9	....	
8	58.....	572.7	920.2	....	.....	....	
9	00.....	575.2	918.	64.3	.....	....	
9	02.....	575.1	.....	....	679.5	....	
9	04.....	576.3	913.3	....	.....	....	
9	06.....	574.3	916.	....	.....	....	
9	08.....	576.8	.....	....	676.2	65.5	
9	10.....	578.8	920.2	....	.....	....	
9	12.....	580.2	916.2	....	.....	....	
9	14.....	580.6	.....	....	674.4	....	
9	16.....	580.7	923.2	64.2	.....	....	
9	18.....	582.9	919.4	....	.....	....	
9	20.....	580.4	.....	....	672.	....	
9	22.....	580.5	924.7	....	.....	....	
9	24.....	584.2	921.2	....	.....	....	
9	26.....	585.2	.....	....	669.	....	
9	28.....	.....	917.	....	.....	....	
9	30.....	584.1	926.	64.1	.....	....	
9	32.....	583.1	.....	....	666.5	....	
9	34.....	585.	922.	....	.....	....	
9	36.....	583.5	920.5	....	.....	....	
9	38.....	580.7	.....	....	664.	65.3	
9	40.....	578.7	917.8	....	.....	....	
23	18.....	568.1	.....	....	.....	....	May 7.
23	20.....	.....	927.8	78.8	.....	....	
23	22.....	.....	.....	....	855.1	80.9	
23	24.....	562.8	.....	....	.....	....	
23	26.....	.....	946.6	....	.....	....	
23	28.....	.....	.....	....	855.4	....	
23	30.....	562.3	.....	....	.....	....	
23	32.....	.....	954.9	....	.....	....	
23	34.....	.....	.....	....	855.5	....	
23	36.....	564.8	.....	....	.....	....	
23	38.....	.....	956.6	....	.....	....	
23	40.....	.....	.....	....	854.9	....	
23	42.....	566.6	.....	....	.....	....	
23	44.....	.....	956.6	....	.....	....	
23	46.....	.....	.....	....	854.9	....	
23	48.....	561.6	.....	....	.....	....	
23	50.....	.....	958.9	....	.....	....	
23	52.....	.....	.....	....	855.5	....	
23	54.....	565.5	.....	....	.....	....	

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
h. m.						
1 42	568.5	.....	....	.....	....	
1 44	.....	966.2	....	.....	....	
1 46	.....	.....	....	861.2	....	
1 48	570.7	.....	....	.....	....	
1 50	.....	958.	....	.....	....	
1 52	.....	.....	....	863.2	....	
1 54	567.4	.....	....	.....	....	
1 56	.....	955.2	....	.....	....	
1 58	.....	.....	....	862.5	....	
2 00	558.5	.....	....	.....	....	
2 02	.....	960.5	78.	.....	....	
2 04	.....	.....	....	861.8	80.	
2 06	556.7	.....	....	.....	....	
2 08	.....	964.4	....	.....	....	
2 10	.....	.....	....	862.	....	
2 12	574.1	.....	....	.....	....	
2 14	.....	946.7	....	.....	....	
2 16	.....	.....	....	864.5	....	
2 18	572.1	.....	....	.....	....	
2 20	.....	945.5	....	.....	....	
2 22	.....	.....	....	862.	....	
2 24	569.7	.....	....	.....	....	
2 26	.....	948.5	....	.....	....	
2 28	.....	.....	....	861.7	....	
2 30	569.2	.....	....	.....	....	
2 32	.....	950.3	77.5	.....	....	
2 34	.....	.....	....	860.3	79.7	
2 36	571.5	.....	....	.....	....	
2 38	.....	950.5	....	.....	....	
2 40	.....	.....	....	860.	....	
2 42	572.7	.....	....	.....	....	
2 44	.....	954.	....	.....	....	
2 46	.....	.....	....	860.2	....	
2 48	575.9	.....	....	.....	....	
2 50	.....	948.7	....	.....	....	
2 52	.....	.....	....	860.	....	
2 54	572.8	.....	....	.....	....	
2 56	.....	946.8	....	.....	....	
2 58	.....	.....	....	859.	....	
3 00	566.7	.....	....	.....	....	
3 02	.....	946.6	77.	.....	....	
3 04	.....	.....	....	858.2	79.4	
3 06	564.7	.....	....	.....	....	
3 08	.....	950.2	....	.....	....	
3 10	.....	.....	....	857.	....	
3 12	564.5	.....	....	.....	....	
3 14	.....	949.5	....	.....	....	
3 16	.....	.....	....	856.	....	
3 18	564.	.....	....	.....	....	
3 20	.....	945.7	....	.....	....	
3 22	.....	.....	....	856.	....	
3 24	564.1	.....	....	.....	....	
3 26	.....	944.	....	.....	....	
3 28	.....	.....	....	855.	....	

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
h. m.						
3 30	563.2	.....	....	.....	....	
3 32	.....	949.	76.8	.....	....	
3 34	.....	.....	....	854.2	79.	
3 36	565.	.....	....	.....	....	
3 38	.....	951.	....	.....	....	
3 40	.....	.....	....	854.	....	
3 42	564.5	.....	....	.....	....	
3 44	.....	949.5	....	.....	....	
3 46	.....	.....	....	853.	....	
3 48	563.5	.....	....	.....	....	
3 50	.....	949.	....	.....	....	
3 52	.....	.....	....	852.5	....	
3 54	563.1	.....	....	.....	....	
3 56	.....	947.5	....	.....	....	
3 58	.....	.....	....	852.	....	
4 00	564.	.....	....	.....	....	
4 02	.....	943.6	76.4	.....	....	
4 04	.....	.....	....	851.1	78.3	
4 06	566.4	.....	....	.....	....	
4 08	.....	939.	....	.....	....	
4 10	.....	.....	....	850.6	....	
4 12	564.	.....	....	.....	....	
4 14	.....	939.5	....	.....	....	
4 16	.....	.....	....	849.3	....	
4 18	562.1	.....	....	.....	....	
4 20	.....	941.2	....	.....	....	
4 22	.....	.....	....	848.4	....	
4 24	562.8	.....	....	.....	....	
4 26	.....	941.8	....	.....	....	
4 28	.....	.....	....	847.	....	
4 30	562.2	.....	....	.....	....	
4 32	.....	940.5	76.	.....	....	
4 34	.....	.....	....	847.1	78.	
4 36	562.7	.....	....	.....	....	
4 38	.....	939.3	....	.....	....	
4 40	.....	.....	....	846.	....	
4 42	563.4	.....	....	.....	....	
4 44	.....	939.	....	.....	....	
4 46	.....	.....	....	845.5	....	
4 48	563.5	.....	....	.....	....	
4 50	.....	935.	....	.....	....	
4 52	.....	.....	....	845.	....	
4 54	560.	.....	....	.....	....	
4 56	.....	930.3	....	.....	....	
4 58	.....	.....	....	844.2	....	
5 00	554.8	.....	....	.....	....	
5 02	.....	929.1	75.5	.....	....	
5 04	.....	.....	....	845.	77.5	
5 06	553.5	.....	....	.....	....	
5 08	.....	923.3	....	.....	....	
5 10	.....	.....	....	845.9	....	
..	552.3	.....	....	.....	....	
	.....	923.	....	.....	....	
	.....	.....	....	846.6	....	

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	E
h. *m.*						
5 18.....	551.2	.....	....	.....	....	
5 20.....	.....	924.2	....	.....	....	
5 22.....	.....	.....	....	846.3	....	
5 24.....	550.7	.....	....	.....	....	
5 26.....	.....	926.	....	.....	....	
5 28.....	.....	.....	....	845.9	....	
5 30.....	553.5	.....	....	.....	....	
5 32.....	.....	928.2	75.3	.....	....	
5 34.....	.....	.....	....	845.5	77.	
5 36.....	555.9	.....	....	.....	....	
5 38.....	.....	925.7	....	.....	....	
5 40.....	.....	.....	....	844.7	....	
5 42.....	556.2	.....	....	.....	....	
5 44.....	.....	926.9	....	.....	....	
5 46.....	.....	.....	....	842.5	....	
5 48.....	557 8	.....	....	.....	....	
5 50.....	.....	923.7	....	.....	....	
5 52.....	.....	.....	....	843.	....	
5 54.....	559.7	.....	....	.....	....	
5 56.....	.....	923 2	....	.....	....	
5 58.....	.....	.....	....	842.8	....	
6 00.....	*564.	.....	....	.....	....	
6 02.....	.....	923.	74.8	.....	....	
6 04.....	.....	.....	....	842.2	76.5	
6 06.....	561.8	.....	....	.....	....	
6 08.....	.....	922.	....	.....	....	
6 10.....	.....	.....	....	840.2	....	
6 12.....	562.6	.....	....	.....	....	
6 14.....	.....	923.	....	.....	....	
6 16.....	.....	.....	....	838.6	....	
6 18.....	565 8	.....	....	.....	....	
6 20.....	.....	924 9	....	.....	....	
6 22.....	.....	.....	....	837.9	....	
6 24.....	567.4	.....	....	.....	....	
6 26.....	.....	929.8	....	.....	....	
6 28.....	.....	.....	....	837.	....	
6 30.....	568.5	.....	....	.....	....	
6 32.....	.....	928.7	74.3	.....	....	
6 34.....	.....	.....	....	835.2	76.	
6 36.....	569.5	.....	....	.....	....	
6 38.....	.....	926.5	....	.....	....	
6 40.....	.....	.....	....	834.	....	
6 42.....	.....	.....	....	.....	....	
6 44.....	.....	929.7	....	.....	....	

* One minute late.

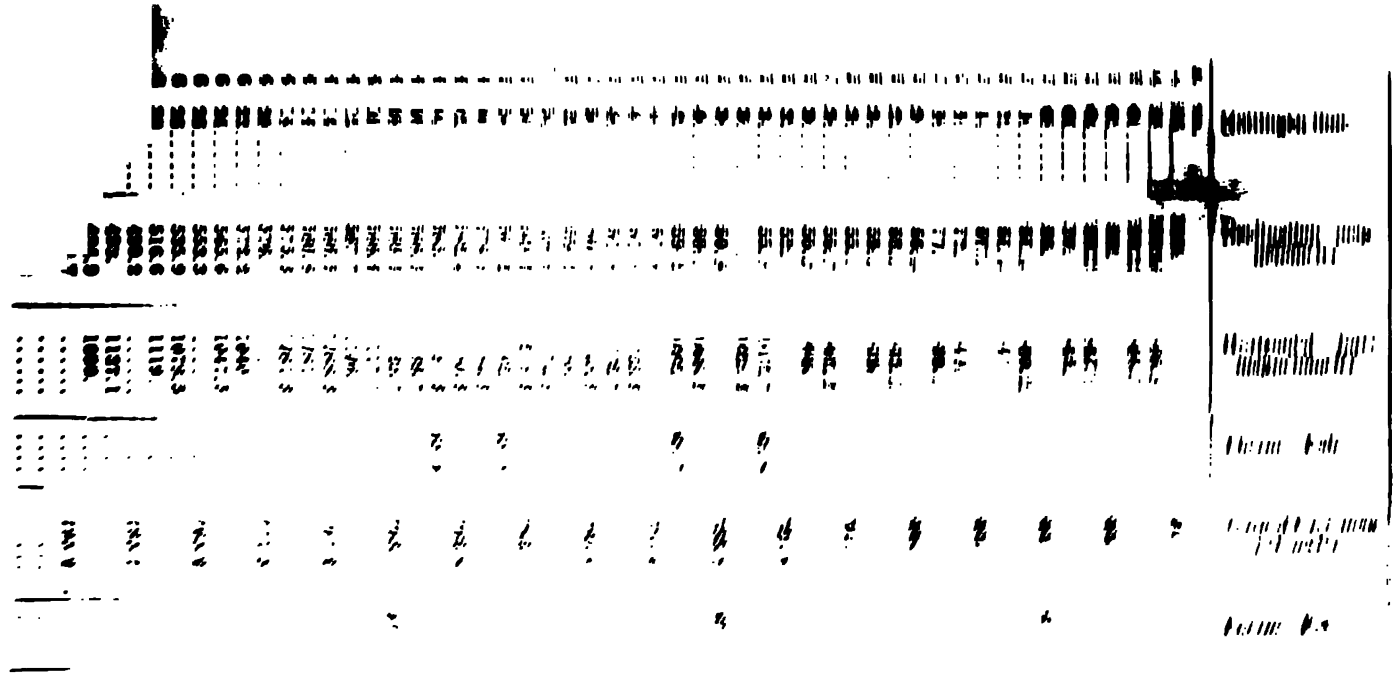
[IN THE COLLEGE BUILDING.]

Göttingen time.	Inclinometer.	Horizontal force magnetometer.	Therm., Fah.	Göttingen time.	Inclinometer.	Horizontal force magnetometer.	Therm., Fah.
h. m.				h. m.			
2 06	.....	52.6	....	3 54	.....	62.	....
2 08	.....	52.2	....	3 56	.....	62.	....
2 10	822.4	....	....	3 58	854.2	....	....
2 12	.....	51.7	....	4 00	.....	62.	....
2 14	.....	51.5	....	4 02	.....	61.7	....
2 16	824.6	....	....	4 04	832.7	....	....
2 18	.....	50.3	....	4 06	.....	62.1	....
2 20	.....	50.5	....	4 08	.....	63.2	....
2 22	823.6	....	....	4 10	842.	....	....
2 24	.....	50.8	....	4 12	.....	63.4	....
2 26	.....	50.1	....	4 14	.....	65.7	....
2 28	822.	....	....	4 16	839.	....	....
2 30	.....	50.1	....	4 18	.....	68.2	....
2 32	.....	50.	....	4 20	.....	66.4	....
2 34	822.7	....	....	4 22	833.5	....	....
2 36	.....	51.5	....	4 24	.....	68.2	....
2 38	.....	50.9	....	4 26	.....	68.	....
2 40	822.2	....	....	4 28	842.7	....	....
2 42	.....	58.5	....	4 30	.....	66.2	....
2 44	.....	56.2	....	4 32	.....	71.9	....
2 46	827.6	....	....	4 34	861.	....	....
2 48	.....	53.9	58.8	4 36	.....	62.2	....
2 50	.....	54.	....	4 38	.....	56.5	....
2 52	828.9	....	....	4 40	850.2	....	....
2 54	.....	54.3	....	4 42	.....	49.4	....
2 56	.....	54.1	....	4 44	.....	45.5	....
2 58	830.5	....	....	4 46	857.2	....	....
3 00	.....	....	....	4 48	.....	31.5	....
3 02	.....	....	....	4 50	.....	31.4	....
3 04	.....	....	....	4 52	855.	....	....
3 06	.....	51.6	....	4 54	.....	31.1	....
3 08	.....	50.	....	4 56	.....	37.7	....
3 10	834.4	....	....	4 58	863.	....	....
3 12	.....	50.9	....	5 00	.....	42.	....
3 14	.....	51.9	....	5 02	.....	34.5	....
3 16	833.5	....	58.	5 04	853.6	....	....
3 18	.....	52.5	....	5 06	.....	27.	....
3 20	.....	54.4	....	5 08	.....	27.8	....
3 22	836.5	....	....	5 10	830.2	....	....
3 24	.....	54.5	....	5 12	.....	41.	59.
3 26	.....	54.7	....	5 14	.....	45.5	....
3 28	836.2	....	....	5 16	842.5	....	....
3 30	.....	53.7	....	5 18	.....	50.5	....
3 32	.....	55.	....	5 20	.....	48.5	....
3 34	839.2	....	....	5 22	834.	....	....
3 36	.....	55.3	....	5 24	.....	49.5	....
3 38	.....	57.6	....	5 26	.....	50.2	....
3 40	844.	....	....	5 28	818.2	....	....
3 42	.....	59.3	....	5 30	.....	63.	....
3 44	.....	59.5	....	5 32	.....	68.1	....
3 46	851.	....	....	5 34	825.7	....	....
3 48	.....	59.5	....	5 36	.....	80.	....
3 50	.....	59.2	....	5 38	.....	82.5	....
3 52	856.7	....	....	5 40	830.5	....	....

[IN THE COLLEGE BUILDING.]

Göttingen time.	Inclinometer.	Horizontal force magnetometer.	Therm., Fah.	Göttingen time.	Inclinometer.	Horizontal force magnetometer.	m., Fah.
h. m.				*h. m.*			
5 42.....	.....	106.	....	7 28.....	869.5	....	....
5 44.....	.....	111.	....	7 30.....	.....	68.5	....
5 46.....	835.	....	....	7 32.....	.....	64.2	....
5 48.....	.....	121.5	....	7 34.....	870.	....	....
5 50.....	.....	130.	....	7 36.....	.....	64.5	....
5 52.....	833.7	....	....	7 38.....	.....	66.5	....
5 54.....	.....	142.	....	7 40.....	865.2	....	....
5 56.....	.....	167.	....	7 42.....	.....	63.7	....
5 58.....	835.5	....	....	7 44.....	.....	65.2	....
6 00.....	.....	142.1	59.	7 46.....	864.2	....	....
6 02.....	.....	142.	....	7 48.....	.....	67.2	....
6 04.....	860.5	....	....	7 50.....	.....	66.5	....
6 06.....	.....	....	....	7 52.....	861.4	....	....
6 08.....	.....	....	....	7 54.....	.....	65.2	....
6 10.....	.....	....	....	7 56.....	.....	62.	....
6 12.....	.....	....	....	7 58.....	852.1	....	....
6 14.....	.....	....	....	8 00.....	.....	64.	....
6 16.....	.....	....	....	8 02.....	.....	63.	....
6 18.....	.....	....	....	8 04.....	859.	....	....
6 20.....	.....	....	....	8 06.....	.....	60.8	....
6 22.....	.....	....	....	8 08.....	.....	60.8	....
6 24.....	.....	....	....	8 10.....	859.2	....	....
6 26.....	.....	....	....	8 12.....	.....	61.8	59.
6 28.....	.....	....	....	8 14.....	.....	62.4	....
6 30.....	.....	....	....	8 16.....	862.1	....	....
6 32.....	.....	....	....	8 18.....	.....	61.4	....
6 34.....	.....	....	....	8 20.....	.....	59.9	....
6 36.....	.....	....	....	8 22.....	852.	....	....
6 38.....	.....	....	....	8 24.....	.....	54.9	....
6 40.....	.....	....	....	8 26.....	.....	50.9	....
6 42.....	.....	....	....	8 28.....	868.5	....	....
6 44.....	.....	....	....	8 30.....	.....	45.	....
6 46.....	.....	....	....	8 32.....	.....	42.7	....
6 48.....	.....	82.	....	8 34.....	859.4	....	....
6 50.....	.....	70.5	....	8 36.....	.....	41.5	....
6 52.....	808.7	....	....	8 38.....	.....	39.	....
6 54.....	.....	79.7	....	8 40.....	853.2	....	....
6 56.....	.....	83.2	....	8 42.....	.....	41.	....
6 58.....	823.4	....	....	8 44.....	.....	43.2	....
7 00.....	.....	85.5	....	8 46	849.1	....	....
7 02	.....	79.5	....	8 48.....	.....	46.6	....
7 04.....	861.7	....	....	8 50.....	.....	46.8	....
7 06.....	.....	72.	....	8 52.....	847.7	....	....
7 08.....	.....	66.5	....	8 54.....	.....	49.	....
7 10.....	872.	....	....	8 56.....	.....	50.4	....
7 12.....	.....	70.2	....	8 58.....	849.1	....	....
7 14.....	.....	65.2	....	9 00.....	.....	51.2	....
7 16.....	867.7	....	....	9 02.....	.....	52.	....
7 18.....	.....	66.	....	9 04.....	852.2	....	....
7 20.....	.....	65.4	....	9 06.....	.....	50.6	....
7 22.....	869.5	....	....	9 08.....	.....	53.2	....
7 24.....	.....	67.	....	9 10.....	855.1	....	....
7 26.....	.....	66.5	....	9 12.....	.....	53.5	

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
h. *m.*						
3 08.....	563.5	.....	....	707.2	....	
3 10.....	563.4	940.7	....	.....	....	
3 12.....	562.7	947.	....	.....	....	
3 14.....	562.8	.....	....	704.4	....	
3 16	562.6	950.	....	.....	....	
3 18.....	563.2	.....	....	.....	....	
3 20.....	564.	.....	....	703.9	....	
3 22.....	565.2	956.5	....	.....	....	
3 24.....	566.5	955.	....	.....	....	
3 26.....	565.9	.....	....	703.	....	
3 28.....	566.5	951.3	66.9	.....	....	
3 30.....	565.9	952.2	....	.....	....	
3 32.....	566.7	.....	....	702.9	....	
3 34.....	568.1	952.7	....	.....	....	
3 36.....	569.2	964.5	....	.....	....	
3 38.....	571.2	.....	....	702.	....	
3 40.....	573.2	956.	....	.....	....	
3 42.....	573.9	958.	....	.....	....	
3 44.....	574.1	.....	....	699.3	....	
3 46.....	578.2	960.7	....	.....	....	
3 48.....	583.	956.4	....	.....	....	
3 50.....	586.4	.....	....	699.	....	
3 52.....	584.7	952.7	....	.....	....	
3 54.....	582.	957.1	....	.....	....	
3 56.....	580.7	.....	....	697.4	....	
3 58.....	582.7	.....	....	.....	....	
4 00.....	582.	965.9	....	.....	....	
4 02.....	578.8	.....	....	670.1	70.	
4 04.....	577.5	966.4	....	.....	....	
4 06.....	575.1	973.2	....	.....	....	
4 08.....	572.7	977.7	....	.....	....	
4 10.....	570.8	.....	....	.....	....	
4 12.....	568.3	.....	....	.....	....	
4 14.....	566.9	.....	....	.....	....	
4 16.....	567.3	.....	....	.....	....	
4 18.....	568.	984.	....	.....	....	
4 20.....	568.	987.	....	.....	....	
4 22.....	568.	.....	....	.....	....	
4 24.....	567.3	987.5	....	.....	....	
4 26.....	569.8	.....	....	700.	....	
4 28.....	571.3	.....	....	.....	....	
4 30.....	575.3	.....	....	.....	....	
4 32.....	581.8	.....	....	.....	....	
4 34.....	587.6	.....	....	.....	....	
4 36.....	589.2	954.	....	.....	....	
4 38.....	581.3	.....	....	698.5	....	
4 40.....	580.3	952.2	....	.....	....	
4 42.....	585.	912.7	66.1	.....	....	
4 44.....	589.7	.....	....	692.5	....	
4 46.....	587.2	871.	....	.....	....	
4 48.....	581.3	863.2	....	.....	....	
4 50.....	580.8	.....	....	692.2	67.3	
4 52.....	585.6	857.3	....			
4 54.....	585.5	861.2	....			



Göttingen time..	*m.* 2	Therm., Fah.	*m.* 8	*m.* 14	*m.* 20	*m.* 26	*m.* 32	Therm., Fah.	*m.* 38	*m.* 44	*m.* 50	*m.* 56
h.												
21.....	850.	73.4	850.3	850.2	847.1	847.4	846.9	73.5	845.7	849.2	852.1	853.4
22.....	845.3	73.2	838.5	841.1	844.5	850.9	853.5	73.	857.	.....	876.2	††887.6
23.....	.....	....	.....	‡881.1	880.	882.2	884.9	....	*885.	890.1	890.4	889.9
0.....	.....	....	*886.5	882.4	881.8	882.	882.	71.9	880.3	873.7	866.2	871.1
1.....	880.1	....	884.9	§887.5	889.3	888.	885.2	....	883.5	878.4	874.6	872.
2.....	871.5	72.2	875.3	878.8	879.7	882.9	885.4	69.6	.....	878.9	877.6	882.4
3.....	888.3	....	891.4	889.4	889.9	893.2	891.5	68.3	897.7	898.5	895.1	890.7
4.....	888.1	67.6	887.	885.8	888.7	889.	888.3	67.2	885.7	886.4	891.7	895.2
5.....	899.1	....	†901.2	904.	904.6	902.4	899.	66.	900.	898.3	897.5	895.7
6.....	895.4	65.6	895.	893.5	891.8	889.4	887.6	65.3	886.2	886.9	884.3	882.
7.....	879 6	65.	878.2	877.8	876.	874.8	872.1	64.7	868.9	869.1	872.5	872.9
8.....	875.1	64.8	875.	874.1	876.7	871.1	862.8	....	864.	854.8	874.	866.3
9.....	854.	65.5	850.9	847.6	841.3	848.5	862.	66.6	863.3	864.1	871.	877.9
10.....	879.	68.4	882.2	881.7	878.5	875.4	871.4	....	870.7	¶868.	870.5	866.7
11.....	867.9	70.6	871.	872.2	873.8	875.7	878.2	71.4	880.1	881.1	881.	879.9
12.....	883.3	71.7	886.	884.	886.4	888.	889.7	71.7	890.3	892.7	892.5	892.9
13	892.2	71.7	893.3	892.6	894.2	892.9	896.8	72.2	895.6	898.7	896.3	898.
14.....	896.2	73.	894.8	896.5	899.4	898.4	903.8	74.	901.8	903.2	907.5	910.7
15.....	912.9	75.3	912.	912.1	931.6	929.	930.9	76.8	930.	930.1	936.8	929.7
16.....	927.1	77.9	935.6	936.1	932.9	940.2	940.5	78.9	934.7	939.6	940.7	939.9
17.....	931.6	79.	934.8	934.9	931.4	932.	931.	79.2	926.6	926.4	918.6	922.7
18.....	924.	79.2	918.8	.....	905.1	905.1	902.4	79.4	910.	916.2	918.5	920.
19.....	922.4	79.4	925.	923.2	922.3	919.8	.....	....	.....	**917.7	916.	916.
20.....	915.	79.2	911.1	910.6	908.9	909.2	907.7	79.1	903.2	902.6	902.2	902.5
21.....	900.4	78.6	902.1	903.2	903.5	901.7	900.3	78.2	900.1	898.9	897.4	901.7
22.....	903.8	77.7	902.9	904.2	904.	902.6	904.6	77.4	904.3	905.8	902.1	899.7
23.....	901.	77.	895.	880.5	879.9	884.5	881.9	76.9	884.7	888.2	884.4	898.5
0.....	898.5	76.4	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
1.....	939.6	74.9	930.2	933.4	934.4	938.6	951.	74.7	951.3	951.	943.	939.8
2.....	933.5	74.6	934.	929.	926.	927.2	929.	74.1	931.5	937.1	943.7	947.1
3.....	945.4	....	942.2	‖940.1	934.3	918.8	908.4	73.8	913.6	903.2	904.5	909.8
4.....	895.	73.6	902.	894.7	888.8	888.2	894.1	73.2	900.3	914.7	921.5	922.8

* 72°.5 Fah. † 66°.4 Fah. ‡ 79°.9 Fah. § 71°.3 Fah. ‖ 74° Fah. ¶ 69°.7 Fah. ** 79°.4 Fah. †† 72°.9 Fah.

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks
h. *m.*						
8 32.....	585.9	.....	....	679.	....	
8 34.....	584.2	879.7	....	.....	....	
8 36.....	581.7	883.	....	.....	....	
8 38.....	580.2	.....	....	680.6	65.8	
8 40.....	578.5	888.7	....	.....	....	
8 42.....	576.5	884.	....	.....	....	
8 44.....	575.7	.....	....	682.	....	
8 46.....	574.	900.2	64.5	.....	....	
8 48.....	573.7	904.5	....	.....	....	
8 50.....	572.6	.....	....	682.2	....	
8 52.....	572.	912.9	....	.....	....	
8 54.....	571.7	915.	....	.....	....	
8 56.....	572.4	.....	....	681.9	....	
8 58.....	572.7	920.2	....	.....	....	
9 00.....	575.2	918.	64.3	.....	....	
9 02.....	575.1	.....	....	679.5	....	
9 04.....	576.3	913 3	....	.....	....	
9 06.....	574.3	916.	....	.....	....	
9 08.....	576.8	.....	....	676.2	65.5	
9 10.....	578.8	920.2	....	.....	....	
9 12.....	580.2	916.2	....	.....	....	
9 14.....	580.6	.....	....	674.4	....	
9 16.....	580.7	923.2	64.2	.....	....	
9 18.....	582.9	919.4	....	.....	....	
9 20.....	580.4	.....	....	672.	....	
9 22.....	580.5	924.7	....	.....	....	
9 24.....	584.2	921.2	....	.....	....	
9 26.....	585.2	.....	....	669.	....	
9 28.....	.....	917.	....	.....	....	
9 30.....	584 1	926.	64.1	.....	....	
9 32.....	583.1	.....	....	666.5	....	
9 34.....	585.	922.	....	.....	....	
9 36.....	583.5	920.5	....	.....	....	
9 38.....	580.7	.....	....	664.	65.3	
9 40.....	578.7	917.8	....	.....	....	
23 18.....	568.1	.....	....	.....	....	May 7.
23 20.....	.....	927.8	78.8	.....	....	
23 22.....	.....	.....	....	855.1	80.9	
23 24.....	562.8	.....	....	.....	....	
23 26.....	.....	946.6	....	.....	....	
23 28.....	.....	.....	....	855.4	....	
23 30.....	562.3	.....	....	.....	....	
23 32.....	.....	954.9	....	.....	....	
23 34.....	.....	.....	....	855.5	....	
23 36.....	564.8	.....	....	.....	....	
23 38.....	.....	956.6	....	.....	....	
23 40.....	.....	.....	....	854.9	....	
23 42.....	566.6	.....	....	.....	....	
23 44.....	.....	956.6	....	.....	....	
23 46.....	.....	.....	....	854.9	....	
23 48.....	561.6	.....	....	.....	....	
23 50.....	.....	958.9	....	.....	....	
23 52.....	.....	.....	....	855.5	....	
23 54.....	565.5	.....	....	.....	....	

Göttingen time	m. 0	m. 2	m. 4	m. 6	m. 8	m. 10	m. 12	m. 14	m. 16	m. 18
A.										
3	.....	.....	.....	564.2	564.4	565.6	566.9	566.7	569.8	570.5
4	579.5	581.	.....	579.4	578.4	577.2	576.4	575.5	575.5	577.3
5	570.5	569.1	568.1	567.9	578.1	578.7	579.4	570.4	569.5	569.2
6	572.6	573.	573.5	573.5	573.1	.....	.....	.....	572.	571.6
7	548.5	550.1	549.2	552.5	553.7	557.6	565.3	562.6	562.5	562.2

Göttingen time	m. 20	m. 22	m. 24	m. 26	m. 28	m. 30	m. 32	m. 34	m. 36	m. 38
A.										
3	570.3	569.9	569.6	569.5	568.9	568.5	570.4	569.1	568.	567.4
4	576.8	577.1	576.7	576.5	576.8	575.9	576.2	576.5	576.5	576.9
5	568.8	567.9	568.8	569.7	571.	571.4	571.4	571.5	572	572.
6	571.1	571.4	572.	569.6	566.5	564.7	563.6	563.1	563.5	563.1
7	560.7	559.8	557.8	557.2	554.4	553.	551.5	549.	546.6	.....

Göttingen time	m. 40	m. 42	m. 44	m. 46	m. 48	m. 50	m. 52	m. 54	m. 56	m. 58
A.										
3	567.	566.7	565.7	565.8	565.8	566.6	567.1	570.3	573.4	572.9
4	577.	577.7	577.5	578.6	578.2	577.9	577.2	576.	574.7	572.7
5	572.4	571.7	571.5	570.7	570.8	571.6	572.3	572.4	572.	572.6
6	560.3	557.9	554.4	551.5	548.6	545.6	544.7	545.8	544.6	545.8
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
h. m.						
1 42.....	568.5	.....	....	.....	....	
1 44.....	.....	966.2	....	.....	....	
1 46.....	.....	.....	....	861.2	....	
1 48.....	570.7	.....	....	.....	....	
1 50.....	.....	958.	....	.....	....	
1 52.....	.....	.....	....	863.2	....	
1 54.....	567.4	.....	....	.....	....	
1 56.....	.....	955.2	....	.....	....	
1 58.....	.....	.....	....	862.5	....	
2 00.....	558.5	.....	....	.....	....	
2 02.....	.....	960.5	78.	.....	....	
2 04.....	.....	.....	....	861.8	80.	
2 06.....	556.7	.....	....	.....	....	
2 08.....	.....	964.4	....	.....	....	
2 10.....	.....	.....	....	862.	....	
2 12.....	574.1	.....	....	.....	....	
2 14.....	.....	946.7	....	.....	....	
2 16.....	.....	.....	....	864.5	....	
2 18.....	572.1	.....	....	.....	....	
2 20.....	.....	945.5	....	.....	....	
2 22.....	.....	.....	....	862.	....	
2 24.....	569.7	.....	....	.....	....	
2 26.....	.....	948.5	....	.....	....	
2 28.....	.....	.....	....	861.7	....	
2 30.....	569.2	.....	....	.....	....	
2 32.....	.....	950.3	77.5	.....	....	
2 34.....	.....	.....	....	860.3	79.7	
2 36.....	571.5	.....	....	.....	....	
2 38.....	.....	950.5	....	.....	....	
2 40.....	.....	.....	....	860.	....	
2 42.....	572.7	.....	....	.....	....	
2 44.....	.....	954.	....	.....	....	
2 46.....	.....	.....	....	860.2	....	
2 48.....	575.9	.....	....	.....	....	
2 50.....	.....	948.7	....	.....	....	
2 52.....	.....	.....	....	860.	....	
2 54.....	572.8	.....	....	.....	....	
2 56.....	.....	946.8	....	.....	....	
2 58.....	.....	.....	....	859.	....	
3 00.....	566.7	.....	....	.....	....	
3 02.....	.....	946.6	77.	.....	....	
3 04.....	.....	.....	....	858.2	79.4	
3 06.....	564.7	.....	....	.....	....	
3 08.....	.....	950.2	....	.....	....	
3 10.....	.....	.....	....	857.	....	
3 12.....	564.5	.....	....	.....	....	
3 14.....	.....	949.5	....	.....	....	
3 16.....	.....	.....	....	856.	....	
3 18.....	564.	.....	....	.....	....	
3 20.....	.....	945.7	....	.....	....	
3 22.....	.....	.....	....	856.	....	
3 24.....	564.1	.....	....	.....	....	
3 26.....	.....	944.	....	.....	....	
3 28.....	.....	.....	....	855.	....	

Göttingen time	m. 4	m. 6	m. 8	m. 10	m. 12	m. 14	m. 16	m. 18	m. 20	m. 22
m.										
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	.....	898.	.....	.....	896.2	.....	.....	[4]894.1	.....	.....
4	[1]894.	.....	.....	894.7	.....	.....	[3]894.1	.....	.....	895.
5	893.3	893.4	893.2	893.1	[2]893.1	893.2	893.8	893.6	893.5	[5]893.
6	890.8	891.	890.9	890.9	891.2	891.	890.9	891.	891.2	[6]891.3
7	905.9	905.9	906.	906.7	907.	907.6	907.9	908.	907.9	908.1

Göttingen time	m. 24	m. 26	m. 28	m. 30	m. 32	m. 34	m. 36	m. 38	m. 40	m. 42
m.										
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	898.
3	893.6	.....	.....	892.3	.....	.....	892.	.....	.....	[11]892.
4	.....	.....	895.2	895.3	[7]895.8	895.7	895.5	895.5	895.6	[12]895.5
5	892.4	893.2	892.7	892.5	[8]892.4	892.5	892.4	892.	892.	[13]892.
6	891.3	891.8	892.	893.2	[9]893.6	894.2	895.7	895.2	895.5	[14]895.9
7	908.3	908.7	908.8	908.7	[10]909.	909.3	910.	.....	.....	.....

Göttingen time	m. 44	m. 46	m. 48	m. 50	m. 52	m. 54	m. 56	m. 58	m. 0	m. 2
m.										
2	.....	.....	899.	.....	.....	900.	.....	.....	900.	.....
3	.....	.....	892.	.....	.....	892.8	.....	.....	894.	.....
4	895.3	895.3	895.1	895.	[15]894.9	894.5	894.3	894.	893.7	[16]893.4
5	891.7	891.6	891.4	891.3	891.	891.	890.9	890.8	890.7	[17]890.9
6	896.1	896.8	897.3	898.2	899.	902.4	903.2	905.	905.1	[18]905.9
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1]84°.7 F. [3]84°.7 F. [5]84°.3 F. [7]84.°5 F. [9]83°.9 F. [11]84°.8 F. [13]84°.2 F. [15]84°.5 F. [17]84°.0 F.
[2]84°.4 F. [4]81°.4 F. [6]84°.0 F. [8]84°.3 F. [10]68°.4 F. [12]84°.5 F. [14]83°.9 F. [16]84°.5 F. [18]83°.7 F.

Göttingen time.	Declination magnetometer.	Horizontal force magnetometer.	Therm., Fah.	Vertical force magnetometer.	Therm., Fah.	Remarks.
h. m.						
5 18.....	551.2	.....	....	.....	....	
5 20.....	.....	924.2	....	.....	....	
5 22.....	.....	.....	....	846.3	....	
5 24.....	550.7	.....	....	.....	....	
5 26.....	.....	926.	....	.....	....	
5 28.....	.....	.....	....	845.9	....	
5 30.....	553 5	.....	....	.....	....	
5 32.....	.....	928.2	75.3	.....	....	
5 34.....	.....	.....	....	845.5	77.	
5 36.....	555.9	.....	....	.....	....	
5 38.....	.....	925.7	....	.....	....	
5 40.....	.....	.....	....	844.7	....	
5 42.....	556.2	.....	....	.....	....	
5 44.....	.....	926.9	....	.....	....	
5 46.....	.....	.....	....	842.5	....	
5 48.....	557 8	.....	....	.....	....	
5 50.....	.....	923.7	....	.....	....	
5 52.....	.....	.....	....	843.	....	
5 54.....	559.7	.....	....	.....	....	
5 56.....	.....	923 2	....	.....	....	
5 58.....	.....	.....	....	842.8	....	
6 00.....	*564.	.....	....	.....	....	
6 02.....	.....	923.	74.8	.....	....	
6 04.....	.....	.....	....	842.2	76.5	
6 06.....	561.8	.....	....	.....	....	
6 08.....	.....	922.	....	.....	....	
6 10.....	.....	.....	....	840.2	....	
6 12.....	562.6	.....	....	.....	....	
6 14.....	.....	923.	....	.....	....	
6 16.....	.....	.....	....	838.6	....	
6 18.....	565 8	.....	....	.....	....	
6 20.....	.....	924 9	....	.....	....	
6 22.....	.....	.....	....	837.9	....	
6 24.....	567.4	.....	....	.....	....	
6 26.....	.....	929.8	....	.....	....	
6 28.....	.....	.....	....	837.	....	
6 30.....	568.5	.....	....	.....	....	
6 32.....	.....	928.7	74.3	.....	....	
6 34.....	.....	.....	....	835.2	76.	
6 36.....	569.5	.....	....	.....	....	
6 38.....	.....	926.5	....	.....	....	
6 40.....	.....	.....	....	834.	....	
6 42.....	.....	.....	....	.....	....	
6 44.....	.....	929.7	....	.....	....	

* One minute late.

Göttingen time.....	h. 5	G. T.	h. 5—6	G. T.	h. 6	G. T.	h. 6	G. T.	h. 6—7	G. T.	h. 7
m.		m.		m.		m.		m.		m.	
10.....	834.2	36.....	836.5	2.....	838.	26.....	835.	50.....	808.4	19.....	825.2
11.....	835.5	37.....	837.1	3.....	838.2	27.....	832.9	51.....	807.8	20.....	824.7
14.....	834.5	38.....	837.2	5.....	837.8	29.....	831.5	53.....	807.7	21.....	824.
15.....	834.2	40.....	837.4	6.....	837.7	30.....	830.5	54.....	807.7	22.....	823.9
16.....	834.7	41.....	836.5	7.....	837.6	31.....	829.2	55.....	807.8	24.....	822.6
17.....	835.	43.....	836.5	9.....	837.4	32.....	828.2	56.....	808.	25.....	820.6
18.....	834.1	44.....	835.8	10.....	836.8	33.....	828.	58.....	808.8	26.....	820.2
19.....	833.5	45.....	835.8	11.....	837.5	35.....	828.1	59.....	807.	28.....	818.2
21.....	832.6	46.....	835.6	12.....	837.	36.....	829.	0.....	810.	29.....	816.7
23.....	832.7	48.....	836.1	14.....	837.3	37.....	828.	.....	811.2	.....	816.2
24.....	833.	49.....	836.2	15.....	837.	39.....	826.9	2.....	*813.2	31.....	816.
25.....	834.2	50.....	836.7	16.....	837.	40.....	823.4	5.....	814.7	33.....	814.7
26.....	835.	51.....	837.2	17.....	836.4	41.....	821.9	6.....	816.9	34.....	813.6
27.....	835.8	52.....	837.1	18.....	836.	43.....	820.4	7.....	818.	35.....	812.2
.....	835.3	54.....	837.4	20.....	836.4	44.....	818.1	9.....	819.6	36.....	812.6
30.....	837.	56.....	837.5	21.....	836.3	45.....	816.5	10.....	822.2	38.....	812.8
31.....	836.4	57.....	837.4	23.....	837.	46.....	813.7	15.....	826.9	39.....	813.5
32.....	836.5	58.....	837.9	24.....	836.9	48.....	811.8	17.....	827.2	40.....	814.7
33.....	836.5	0.....	837.8	25.....	835.8	49.....	810.1	18.....	827.2	41.....	815.1
35.....	836.8	1.....	837.9								

* 76° Fahrenheit.

Göttingen time	m. 0	m. 6	m. 12	m. 18	m. 24	m. 30	m. 36	m. 42	m. 48	m. 54
h.										
3	566.3	565.8	563.	563.9	565.4	565.3	565.7	564.6	563.7	564.6
4	566.2	566.4	566.4	570.	568.9	568.4	567.5	567.1	566.9	566.3
5	565.9	567.1	567.	567.1	567.6	566.7	566.1	565.5	566.2	566.8
6	567.1	567.4	567.7	566.4	567.2	568.1	567.8	567.3	565.8	566.9
7	567.3	566.8	566.6	565.3	566.6	566.9	565.6	565.8	565.2	565.
8	567.2	565.2	565.	565.	565.6	565.2	565.2	566.1	.....	566.
9	566.1	566.9	567.	567.6	567.4	.....	.....	.....	.....	.....
16	568.3	566.5	564.6	563.2	561.3	561.	560.2	561.1	560.	559.5
17	557.3	555.6	556.3	556.8	557.3	557.3	557.	556.7	555.9	554.1
18	553.4	552.	551.8	552.2	552.6	553.8	555.5	553.6	554.	552.9
19	551.5	551.4	553.2	555.1	555.4	554.9	554.9	554.8	553.9	553.6

Göttingen time	m. 0	m. 2	m. 6	m. 8	m. 12	m. 14	m. 18	m. 20	m. 24	m. 26
h.										
20	553.6	552.3	552.1	552.4	552.5	551.7	551.	551.9	552.3	551.8
21	555.9	554.3	555.	555.9	555.9	556.2	557.5	558.5	559.1	559.1
22	560.5	561.1	561.1	561.8	561.8	561.8	561.9	562.1	562.6	562.6
23	561.9	562.	563.5	563.7	564.3	563.5	565 2	565.8	565.	565.1
0	569.4	569.7	569.7	569.1	569.7	569.9	569.3	568.5	568.2	567.6
1	563.5	563.1	563.	563.	563.8	564.5	565.	566.1	567.	566.9
2	566.2	566.3	566.9	566.9	567.5	565.8	563.8	563.1	563.1	562 3
3	568.	.....	566.5	.....	563.7	.....	562.9	.....	561.1	.....
4	574.1	573.4	573.1	573.3	573.4	573.2	572.9	572.2	569.6	568.6
5	579.7	579.5	579.2	579.1	579.	578.7	577.8	577.	576.5	577.
6	579.8	578.2	575.2	572.4	570.2	570.1	570.6	571.9	573.8	574.9
7	586.1	585.4	583.5	582.8	580.9	579.9	578.9	578.1	576 4	575.5
8	571.3	571.	570.9	570.2	569.5	569.5	571.1	571.1	572.	573.5
9	573.2	572.4	572.4	572.4	571.9	571.4	570.	568.8	569 2	569.9

Göttingen time	m. 30	m. 32	m. 36	m. 38	m. 42	m. 44	m. 48	m. 50	m. 54	m. 56
h.										
20	551.1	551.2	551.5	551.9	552.5	552.6	552.9	553.	553.5	553.7
21	559.3	559.6	559.9	559.9	560.2	560.2	559.7	559.8	560.1	560.3
22	563.	563.	562.4	562.2	561.9	561.7	561.5	561.8	561.5	561.6
23	564.	563.	564.9	566.7	567.8	568.5	569.9	569.6	568.3	568.1
0	566.7	566.3	564.9	564.7	564.2	564.	564.4	564.5	564.7	564.9
1	566.	566.	565.5	564.9	565.	564.8	563.2	563.3	563.9	564.1
2	563.4	563.5	565.	565.8	566.8	566.8	568.5	569.8	564.	.....
3	566 8	.....	573.6	575.5	577.7	578.2	579.4	578.5	575.6	574.3
4	567.1	567.	568.1	570.4	575.5	576.9	577.9	579.8	581.1	580.5
5	579.6	582.	583.9	584.5	586.2	585.9	584.8	583.4	584.8	579.
6	577.	578.1	580.4	579.8	581.3	581.8	583.3	583.4	584.8	586.4
7	574.9	575.8	574.8	574.6	574.2	573.9	572.9	572.5	571.5	571.4
8	572.9	572.2	572.9	573.1	573.2	572.9	572.8	573.8	572.7	572.
9	571.7	572.4	575.	574.7	573.5	.....	573.5	573.8	573.5	573.2

Göttingen time..	*m.* 2	Therm., Fah.	*m.* 8	*m.* 14	*m.* 20	*m.* 26	*m.* 32	Therm., Fah.	*m.* 38	*m.* 44	*m.* 50	*m.* 56
h.												
3	941.8	83.2	946.4	.....	960.6	962.	961.6	82.7	960.3	961.6	960.5	954.8
4	952.	82.5	950.7	942.9	931.8	937.	940.8	82.2	942.7	945.	940.7	941.9
5	941.3	81.9	936.1	933.9	931.1	931.5	932.7	81.8	933.6	936.7	934.6	931.5
6	931.4	81.4	932.8	938.	946.6	941.5	936.1	81.1	933.6	933.6	933.	934.
7	930.5	80.8	932.	936.5	943.	940.8	937.7	80.5	937.6	938.1	937.6	936.6
8	935.	80.3	935.3	935.	934.9	934.6	934.3	80.	935.2	934.9	934.5	934.1
9	934.8	79.7	934.	933.9	932.7	932.6	.....	....	.....	.....	.....	.....
16	959.9	79.5	960.9	962 2	961.7	961.3	963.7	79.9	960.4	959.	952.4	960.4
17	962.9	80.2	960.	958.4	954.9	951.8	951.9	80 5	945.1	945.1	948.2	947.3
18	947.8	81.	949.4	951.9	948.2	945.3	950.2	81.5	945.1	944.	939.	941.8
19	942.	81.9	947.4	944.	940.	938.	936.5	82.3	927.9	924.5	926.	922.6
20	*928.5	82.6	930.7	929.	927.6	932.3	932.1	82.8	929.5	932.2	929.5	927.1
20	922.	82.9	929.7	934.4	939.4	941.3	940.8	83.1	940 4	942.2	948.8	951.2
20	956.3	83.3	959.2	962.8	968.3	967.2	966.8	83.6	963.6	969.4	968.7	970.3
20	967.6	83.8	966.9	966.9	963.6	960.9	956.9	83.9	954.1	951.1	949.1	947.6
21	†946.3	84.2	944.3	942.3	943.1	942.9	940.5	84.5	939.7	940.6	940.9	941.6
21	939.9	84.7	934.5	930.6	926.5	923.8	923.1	84.9	922.3	921.	921.7	922.8
22	922.7	85.2	922.	92'.	919.2	918.4	918.7	85.4	918.6	918.8	919.2	920.
22	922.8	85.6	925 2	928.3	928.7	930.6	927.3	85.7	926.8	927.9	929.1	928.6
23	‡928.7	85.9	927.5	929 2	934.8	938.1	945.5	86.1	950.1	957.8	958.5	957.7
23	960.7	86.3	962.	961.6	960.9	957.6	956.7	86.4	948.9	947.5	949.	952.8
23	950.7	86.6	949.5	954.6	955.1	953.6	953.2	86.7	952.4	952.2	951.3	952.1
23	951.	86.8	953.2	953.6	955.3	957.7	958.	86.9	959.	959.3	958.9	958.2

* After this observation, the instrument was observed at every vibration.
The means registered are two minutes and fifteen seconds apart.

† Time, 21*h*. 32*m*.
‡ Time, 23*h*. 2*m*.

OBSERVATIONS OF VIBRATIONS—Continued.

h., G. T.		°						°				
0.....	*960.4	87.	961.8	963.5	962.1	959.6	960.	87.1	958.9	957.9	958.3	957.5
0.....	955.6	87.1	956.1	961.3	964.6	965.4	962.8	87.2	962.4	960.3	958.9	957.
1.....	955.8	87.2	955.8	954.4	955.	956.	956.3	87.2	957.7	958.7	959.4	960.5
1.....	961.1	87.1	962.4	962.6	965.1	967.7	968.	87.	969.3	969.9	972.7	972.9
2.....	†974.3	86.9	975.3	975.9	976.	975.4	974.6	86.9	976.8	979.1	981.	981.6
2.....	983.9	86.8	981.5	982.7	981.9	980.3	979.3	86.8	978.6	977.4	978.6	978.5
2.....	978.7	86.7	977.5	977.2	978.6	.....	.....	....	.....	.....	.....	.....
3.....	969.5	86.1	971.8	970.4	969.2	968.	966.7	85.9	966.	966.6	969.4	971.7
4.....	972.8	85.8	973.6	974.2	972.8	972.4	972.1	85.8	972.3	972.9	972.	973.
4.....	973.	85.5	971.9	971.3	970.1	‡968.7	969.2	85.4	969.8	970.5	967.7	964.7
4.....	961.8	85.3	961.6	962.2	964.6	964.5	966.9	85.1	968.	968.7	969.4	972.3
5.....	974.7	85.	975.1	974.5	972.2	969.8	968.9	84.9	968.	967.	969.6	970.9
5.....	971.5	84.6	973.8	975.5	977.2	978.	978.1	84.2	979.4	982.	984.7	987.3
5.....	988.6	83.9	986.1	981.2	974.	§972.2	971.	83.8	971.8	972.8	974.5	977.5
6.....	974.9	83.5	972.	971.2	969.9	968.	964.9	83.3	964.3	964.8	964.2	963.6
6.....	963.9	83.2	963.9	964.4	967.6	970.3	971.2	83.	971.7	972.1	970.9	969.8
6.....	968.6	82.9	968.5	966.	965.3	964.2	964.4	82.8	962.9	962.6	962.4	962.1
7.....	962.7	82.7	962.8	963.	961.9	‖961.5	961.9	82.5	961.6	960.5	960.4	959.7
7.....	958.1	82.2	956.	954.7	954.7	953.8	952.1	82.	952.	951.1	951.	951.1
8.....	952.4	81.9	954.	954.7	954.	953.	953.	81.8	952.6	952.6	952.1	952.3
8.....	951.1	81.6	951.4	951.5	951.5	952.1	951.2	81.5	951.	950.6	949.9	950.9
8.....	951.3	81.5	952.6	952.7	952.2	¶951.2	950.6	81.4	948.7	947.5	947.6	947.3
9.....	946.1	81.2	944.2	945.8	948.3	948.6	949.1	81.	949.1	948.	947.4	946.9
9.....	946.1	80.9	946.4	946.4	946.6	946.3	945.8	80.8	945.7	945.9	945.8	945.6
10.....	945.9	80.7	946.1	.....	.....	.....	.....	....	.....	.....	.....	.....

Means registered are 2*m*. 15*s*. apart.

* Time, 0*h*. 32*m*. † Time, 2*h*. 2*m*. ‡ Time, 4*h*. 32*m*. § Time, 6*h*. 2*m*. ‖ Time, 7*h*. 32*m*. ¶ Time, 9*h*. 2*m*.

Göttingen time..	*m.* 4	Therm., Fah.	*m.* 10	*m.* 16	*m.* 22	*m.* 28	*m.* 34	Therm., Fah.	*m.* 40	*m.* 46	*m.* 52	*m.* 58
h.												
3.....	.....	83.6	878.5	876.4	876.4	876.1	875.9	....	875.5	875.2	875.3	875.2
4.....	874.9	82.9	874.9	874.8	874.4	874.1	873.5	82.8	873.2	873.	872.6	872.
5.....	871.8	82.5	872.1	871.3	871.2	870.9	870.5	82.2	869.7	879.8	875.4	874.9
6.....	874.2	82.1	874.1	873.6	872.7	873.	872.6	81.9	871.8	871.4	871.	870.8
7.....	870.	81.5	869.3	868.7	868.2	867.9	867.2	81.3	.....	866.5	866.1	865.7
8.....	865.1	81.1	864.5	864.	863.5	863.	862.5	80.9	862.3	861.9	861.3	861.4
9.....	860.6	80.6	860.	859.7	859.	858.1	.....	....	.....	.....	.....	.....
16.....	833.7	80.2	834.1	834.	833.8	833.8	834.2	80.5	.....	835.8	836.6	837.2
17.....	837.7	80.9	838.1	838.6	839.3	839.8	840.2	81.3	840.8	840.7	841.	841.4
18.....	842.2	81.8	842.4	842.7	844.	844.9	845.5	82.2	845.9	846.7	846.8	847.2
19.....	847.7	82.7	848.3	848.8	849.3	849.9	850.1	82.8	850.8	850.9	851.	851.2
20.....	850.9	83.3	851.1	852.3	851.9	852.1	853.1	83.9	853.9	855.1	856.1	857.3
21.....	858.1	84.2	858.8	859.4	860.7	860.5	860.7	84.9	861.2	861.9	862.8	863.3
22.....	863.5	85.3	864.	864.5	864.7	865.2	865.3	85.8	865.7	866.4	867.1	868.3
23.....	869.1	86.	870.	870.3	871.1	871.9	873.4	86.3	875.	877.4	879.7	881.1
0.....	882.3	86.5	883.2	884.1	885.3	886.2	887.5	86.7	888.3	889.3	890.2	891.
1.....	892.1	86.7	892.5	893.3	894.	894.5	895.	86.8	897.4	895.7	896.	896.4
2.....	897.	86.7	897.3	897.8	898.	897.9	898.4	86.6	899.9	900.1	900.2	.....

Göttingen time.....	h. 21	G. T...	h. 22	G. T...	h. 22	G. T...	h. 23	G. T...	h. 1	G. T...	h. 3	G. T...	h. 5
	m.		m.		m.		m.		m.		m.		m.
3.....	*825.2	17....	830.	55....	830.2	29....	834.1	5....	832.	13....	855.3	7....	835.2
5.....	824.3	18....	830.2	56....	829.7	30....	832.7	6....	831.3	14....	855.5	8....	834.5
6.....	825.	19....	830.5	57....	829.6	31....	‖832.5	7....	831.5	22....	853.	10....	834.7
7.....	826.	21....	830.5	59....	829.	34....	833.5	8....	831.9	24....	851.	11....	835.5
8.....	825.2	22....	830.	0....	830.5	35....	833.	9....	831.6	25....	850.	13....	823.7
9.....	824.7	23....	830.5	1....	830.2	36....	834.7	11....	832.2	26....	848.7	15....	834.5
11.....	825.	24....	830.5	2....	830.2	37....	836.2	12....	832.4	28....	847.5	16....	832.2
12.....	826.7	26....	830.5	4....	831.2	39....	836.7	13....	833.	29....	846.4	18....	833.5
13.....	825.5	27....	830.7	5....	831.7	40....	837.7	14....	833.	30....	845.2	19....	832.5
14.....	825.7	28....	831.	6....	‖832.2	.....	836.7	16....	§833.7	31....	845.	20....	838.2
16.....	826.8	29....	831.1	7....	831.7	42....	838.			33....	843.7	21....	834.2
17.....	827.2	31....	‡830.3	9....	831.7	44....	838.9	**52....	841.1	34....	843.5	23....	833.2
18.....	827.7	32....	830.5	10....	833.2	45....	839.2	54....	845.4	35....	842.6	24....	832.5
58.....	827.5	33....	830.	11....	833.1	46....	838.7	55....	845.6	36....	841.4	25....	834.2
59.....	831.1	35....	830.	12....	832.5	47....	839.7	56....	845.	††26....	§§836.7	26....	838.2
0.....	830.	36....	830.5	13....	831.7			58....	845.9	27....	836.2	27....	832.5
1.....	829.2	37....	830.	14....	833.	¶51....	§833.	59....	846.2	28....	838.	28....	833.2
2.....	829.	38....	829.5	16....	834.5	52....	833.	0....	846.5	30....	837.5	29....	832.7
4.....	†831.7	40....	829.5	17....	835.	53....	833.	1....	848.	32....	837.6	31....	832.
5.....	828.7	41....	829.8	18....	835.5	54....	833.2	3....	848.	33....	837.7	32....	830.5
6.....	829.5	42....	830.	20....	835.4	56....	833.2	4....	848.5	34....	837.	33....	831.2
8.....	830.	45....	830.	21....	834.	57....	833.2	5....	849.1			35....	831.
9.....	829.6	47....	829.9	.....	834.7	58....	832.5	6....	850.7	‡‡1....	838.	36....	830.4
11.....	829.7	48....	828.4	.....	835.	59....	832.	8....	852.7	2....	837.	37....	830.5
12.....	830.	49....	829.7	25....	834.7	1....	832.	9....	854.2	3....	836.2	38....	831.
13.....	830.	50....	829.1	.....	835.	2....	831.	10....	854.7	5....	836.	40....	830.7
15.....	829.5	53....	§829.	27....	834.9	3....	831.8	11....	855.2	6....	835.	41....	‖830.5

* 82°.2 F. † 82°.4 F. ‡ 82°.5 F. § 82°.6 F. ‖ 82°.7 F. ¶ 0h. 51m. ** July 1, 2h. 52m. †† 4h. ‡‡ 5h. §§ 83°.8 F. ‖‖ 83.7 F.

For ratio of scales in the college building to observatory, see general notes.

G. T.	h. 8	h. 9	h. 10	h. 11	G. T.	h. 8	h. 9	h. 10	h. 11	G. T.	h. 8	h. 9	h. 10	h. 11	G. T.	h. 8	h. 9	h. 10	h. 11
m. s.					m. s.					m. s.					m. s.				
0 00	....	41.1	31.5	30.8	15 00	....	42.5	29.8	37.1	30 00	....	36.8	28.8	41.3	45 00	36.4	31.4	30.9	39.4
0 30	....	40.5	31.1	30.7	15 30	....	42.2	29.7	37.8	30 30	....	36.8	28.5	41.3	45 30	36.8	34.5	31.	39.5
1 00	....	....	30.8	30.5	16 00	....	42.1	29.7	37.1	31 00	....	36.8	28.3	41.2	46 00	37.2	34.5	30.8	39.3
1 30	....	....	30.7	30.7	16 30	....	41.7	29.7	37.6	31 30	....	36.6	28.3	41.	46 30	37.7	34.6	30.9	39.3
2 00	....	....	30.4	30.9	17 00	....	41.6	29.7	39.1	32 00	....	36.5	28.5	40.9	47 00	38.2	34.8	31.	39.
2 30	....	....	30.2	31.	17 30	....	41.2	29.7	40.1	32 30	....	36.3	28.5	40.4	47 30	38.5	35.1	31.	38.8
3 00	....	43.1	30.2	30.5	18 00	....	41.2	29.7	40.5	33 00	....	36.2	28.4	40.	48 00	38.5	34.9	31.	38.7
3 30	....	43.3	30.1	30.7	18 30	....	....	29.6	41.2	33 30	....	36.	28.4	40.	48 30	38.8	34.9	31.3	38.2
4 00	....	43.1	30.	31.	19 00	....	....	29.5	41.5	34 00	....	36.	28.2	40.1	49 00	39.	34.8	31.1	....
4 30	....	43.8	29.7	31.	19 30	....	....	29.3	41.7	34 30	....	36.	28.2	40.6	49 30	39.2	34.9	31.	....
5 00	....	43.4	29.4	30.6	20 00	....	....	29.4	41.2	35 00	....	36.	28.4	40.5	50 00	39.5	34.9	31.	....
5 30	....	42.6	29.5	29.9	20 30	....	....	29.5	40.9	35 30	....	36.	28.5	40.4	50 30	39.9	34.9	30.7	....
6 00	....	42.6	29.5	30.1	21 00	....	....	29.6	40.5	36 00	....	36.	28.6	40.	51 00	40.3	34.8	30.3	....
6 30	....	43.6	29.3	30.4	21 30	....	....	29.3	40 3	36 30	....	36.	28.4	39.7	51 30	40.5	35.	30.2	39.9
7 00	....	43.8	29.3	31.3	22 00	....	....	28.9	40.5	37 00	....	36.	28.2	39.1	52 00	40.8	35.	30.1	40.
7 30	....	43.7	29.3	31.8	22 30	....	....	28.8	40.6	37 30	....	36.	28.4	38.3	52 30	41.2	35.	30.2	40.2
8 00	....	43.2	29.2	32.2	23 00	....	....	28.8	41.1	38 00	....	35.8	28.8	37.9	53 00	41.6	35.	30 3	40.
8 30	....	42.7	29.3	32.1	23 30	....	....	28.5	41.4	38 30	....	35.7	29.	37.7	53 30	42.2	....	30.5	40.
9 00	....	42.7	29.1	33.1	24 00	....	38.8	28.9	41.	39 00	....	35.7	29.	37.3	54 00	42.3	....	30.4	40.
9 30	....	42.7	29.1	33.4	24 30	....	38.6	28.7	41.4	39 30	....	35.5	29.1	37.3	54 30	42.3	....	30.2	40.
10 00	....	42.7	29.	33.5	25 00	....	38.	28.5	41.8	40 00	....	35.5	29.2	37.6	55 00	42.3	....	30.5	40.
10 30	....	42.4	29.	33.8	25 30	....	37.9	28.3	42.2	40 30	....	35 6	29.3	37.7	55 30	42.3	....	30.7	39.9
11 00	....	42.2	28.8	34.7	26 00	....	37.8	28 3	42.1	41 00	....	35.5	29.6	37.3	56 00	42.3	....	[illegible]	
11 30	....	42.2	28.5	33.8	26 30	....	37.7	28.2	42.2	41 30	....	35.2	29.6	37.5	56 30	42.3	....	3	
12 00	....	42.2	28.6	34.4	27 00	....	37.5	28.6	42.1	42 00	....	35.	29.8	37.6	57 00	42.4	33.1	3.	
12 30	....	42.4	28.8	35.9	27 30	....	37.3	28.7	41.7	42 30	....	34.9	30.2	38.2	57 30	42.3	32.4	30.8	[illegible]
13 00	....	42.7	29.4	35.9	28 00	....	37.1	28.6	41.8	43 00	....	34.9	30.5	38.3	58 00	42.3	32.1	30.9	40.
13 30	....	42.6	29.8	36.2	28 30	....	37.1	28.4	41.8	43 30	....	34 9	30.6	38.7	58 30	42.3	....	31.1	39.8
14 00	....	42.4	30.	36 6	29 00	....	37.	28.4	41.4	44 00	....	34.9	30.7	39.	59 00	42.4	31.8	31.1	39.8
14 30	....	42.5	29.8	36.6	29 30	....	36.9	28 6	41.7	44 30	*36.2	31.8	30.8	39.3	59 30	42.	31.7	31.	39.7

* 81°.8 Fahrenheit.

G. T.	h. 12	h. 13	h. 14	h. 16	G. T.	h. 12	h. 13	h. 14	h. 16	G. T.	h. 12	h. 13	h. 14	h. 16	G. T.	h. 12	h. 13	h. 14	h. 16
m. s.					m. s.					m. s.					m. s.				
0 00	....	40.3	44.	....	15 00	....	39.2	44.4	....	30 00	40.8	39.	....	44.6	45 00	39.8	40.9	....	....
0 30	....	40.6	44.	....	15 30	....	*39.2	44.5	....	30 30	40.4	39.	....	44.6	45 30	....	41.	....	†44.2
1 00	....	40.8	44.	....	16 00	....	39.	44.8	....	31 00	40.5	39.3	....	44.2	46 00	....	....	....	....
1 30	....	41.	44.	....	16 30	....	39.	44.9	....	31 30	40.6	39.3	....	44.1	46 30	39.8	....	....	....
2 00	....	41.2	44.	....	17 00	....	39.	45.	....	32 00	40.5	39.3	....	44.1	47 00	39.6	....	....	....
2 30	....	41.2	44.2	....	17 30	....	39.	45.	....	32 30	41.	39.3	....	44.	47 30	39.6	....	....	....
3 00	....	41.3	44.3	....	18 00	....	38.7	45.	....	33 00	41.	39.5	....	44.	48 00	39.4	....	....	....
3 30	....	41.3	44.5	....	18 30	....	....	....	....	33 30	41.	39.7	....	44.	48 30	39.4	....	....	44.5
4 00	....	41.4	44.5	....	19 00	....	....	....	....	34 00	41.	39.6	....	44.	49 00	39.2	....	....	....
4 30	....	41.3	44.7	....	19 30	....	39.	....	46.4	34 30	....	39.7	....	....	49 30	39.4	42.	....	....
5 00	....	41.3	45.	....	20 00	....	38.9	....	46.4	35 00	....	39.8	....	....	50 00	39.	42.	....	....
5 30	....	41.2	45.	....	20 30	....	38.8	....	46.7	35 30	41.1	39.8	....	....	50 30	39.2	42.	....	....
6 00	....	41.2	45.	....	21 00	....	....	....	47.	36 00	41.1	40.	....	....	51 00	39.2	42.	....	....
6 30	....	41.1	45.	....	21 30	....	38.6	....	47.	36 30	41.2	40.	....	44.	51 30	39.2	42.	....	45.
7 00	....	40.7	45.	....	22 00	....	38.5	....	46.6	37 00	41.2	40.	....	....	52 00	39.2	42.	....	....
7 30	....	40.9	45.	....	22 30	....	38.5	....	46.8	37 30	41.3	40.	....	....	52 30	38.9	42.	....	....
8 00	....	40.8	45.	....	23 00	....	38.8	....	46.8	38 00	41.3	40.	....	....	53 00	38.4	42.	....	....
8 30	....	40.7	45.	....	23 30	....	39.	....	46.9	38 30	41.2	40.	....	....	53 30	38.4	42.2	....	....
9 00	....	40.6	45.	....	24 00	....	39.	....	46.9	39 00	40.9	40.	....	....	54 00	38.2	42.3	....	....
9 30	....	40.3	45.	....	24 30	....	39.	....	46.	39 30	40.8	40.	....	45.8	54 30	38.2	....	....	46.
10 00	....	40.1	45.	....	25 00	41.2	39.	....	46.	40 00	40.6	40.	....	....	55 00	38.1	....	....	....
10 30	....	40.2	45.	....	25 30	41.	39.	....	46.	40 30	40.2	40.2	....	....	55 30	38.2	42.3	....	....
11 00	....	40.2	45.	....	26 00	41.	39.	....	45.7	41 00	40 1	40.2	....	....	56 00	38.2	42.6	....	....
11 30	....	40.2	44.6	....	26 30	41.	39.	....	45.4	41 30	39.8	40.2	....	....	56 30	38.2	43.	....	....
12 00	....	40.	44.5	....	27 00	40.8	39.	....	45.	42 00	39.6	40.4	....	....	57 00	38.2	43.	....	....
12 30	....	40.	44.3	....	27 30	40.6	39.	....	45.	42 30	39.7	40.5	....	45.	57 30	38.2	43.4	....	46.4
13 00	....	39.8	44.2	....	28 00	40.5	39.	....	45.	43 00	39.8	40.5	....	....	58 00	38.4	43.6	....	....
13 30	....	39.5	44.2	....	28 30	40.8	39.	....	45.	43 30	39.8	40.5	....	....	58 30	39.	43.8	....	....
14 00	....	39.2	44.	....	29 00	40.8	39.1	....	45.	44 00	39.8	40.7	....	....	59 00	39.6	43.8	....	....
14 30	....	39.2	44.1	....	29 30	40.8	39.	....	44.7	44 30	39.8	40.5	....	....	59 30	40.	44.	....	....

* 83° Fahrenheit.

† 82° Fahrenheit.

G. T.	h. 17	h. 18	h. 19	h. 20	G. T.	h. 17	h. 18	h. 19	h. 20	G. T.	h. 17	h. 18	h. 19	h. 20	G. T.	h. 17	h. 18	h. 19	h. 20
m. s.					m. s.					m. s.					m. s.				
0 00	....	42.9	46.	40.4	15 00	....	43.6	35.4	39.	30 00	....	43.1	32.6	38.2	45 00	....	46.2	35.9	35.9
0 30	....	42.7	45.7	40.4	15 30	....	43.6	34.9	39.2	30 30	....	43.1	32.5	38.	45 30	....	46.3	35.9	35.3
1 00	....	42.8	46.	40.5	16 00	....	43.5	35.	39.	31 00	....	43.1	32.4	37.9	46 00	....	46.6	35.8	35.7
1 30	....	....	45.7	40.8	16 30	....	43.2	35.	39.	31 30	....	43.8	32.1	37.9	46 30	....	46.3	36.4	35.7
2 00	....	....	45.7	40.7	17 00	....	....	34.4	39.	32 00	....	43.9	32.4	37.8	47 00	....	45.9	36.3	35.7
2 30	....	42.8	45.4	41.	17 30	....	43.3	34.3	....	32 30	....	44.3	31.7	37.6	47 30	....	46.6	36.4	36.1
3 00	....	42.7	45.2	41.4	18 00	....	43.1	34.5	....	33 00	....	44.4	31.8	37.5	48 00	....	46.3	37.	35.5
3 30	....	42.4	45.	41.3	18 30	....	43.3	34.1	39.	33 30	....	44.3	31.5	37.3	48 30	....	46.3	37.4	35.3
4 00	....	....	44.7	41.3	19 00	....	43.	33.7	38.8	34 00	....	44.3	31.3	37.1	49 00	....	45.8	37.3	35.3
4 30	....	....	44.8	41.4	19 30	....	43.	33.4	38.3	34 30	....	44.1	31.3	37.	49 30	....	45.7	....	35.4
5 00	....	....	44.4	41.1	20 00	....	43.2	33.1	38.2	35 00	....	44.1	31.5	36.9	50 00	....	45.6	....	35.5
5 30	....	....	44.2	40.7	20 30	....	43.3	33.1	38.2	35 30	....	44.	31.9	36.8	50 30	*46.6	45.2	....	35.4
6 00	....	....	44.	40.8	21 00	....	43.4	33.3	38.1	36 00	....	44.1	32.2	36.8	51 00	46.5	45.4	....	35.3
6 30	....	42.6	43.3	40.9	21 30	....	43.7	33.3	....	36 30	....	44.2	32.2	....	51 30	46.4	45.3	....	35.3
7 00	....	43.	42.4	41.	22 00	....	43.8	33.4	....	37 00	....	44.	32.	36.4	52 00	46.1	....	....	35.6
7 30	....	43.2	41.9	40.4	22 30	....	43.2	33.6	....	37 30	....	44.1	32.3	36.3	52 30	45.6	45.1	37.9	35.6
8 00	....	43.2	41.1	41.	23 00	....	43.4	33.7	....	38 00	....	44.1	32.	36.3	53 00	45.4	45.2	37.9	35.2
8 30	....	43.2	40.1	40.8	23 30	....	43.1	33.8	....	38 30	....	44.2	32.2	36.3	53 30	....	45.2	38.1	35.1
9 00	....	42.9	39.5	40.8	24 00	....	42.9	33.6	....	39 00	....	44.4	32.4	36.3	54 00	....	45.3	38.4	34.9
9 30	....	43.	39.	40.3	24 30	....	43.6	34.	38.3	39 30	....	44.3	32.4	36.3	54 30	....	45.4	38.5	35.
10 00	....	42.9	38.6	40.2	25 00	....	43.1	33.7	38.2	40 00	....	....	32.1	36.3	55 00	....	45.7	38.5	34.7
10 30	....	42.9	38.2	39.9	25 30	....	43.	34.	38.4	40 30	....	44.4	32.4	36.4	55 30	44.6	45.5	38.6	34.6
11 00	....	42 9	37.7	39.8	26 00	....	42.6	33.9	38.5	41 00	....	45.	33.1	36.3	56 00	44.	45.6	39.1	34.6
11 30	....	42.8	37.4	39.5	26 30	....	42.7	34.	38.3	41 30	....	45.3	33.5	36.1	56 30	43.8	45.9	39.3	34.6
12 00	....	42.5	37.1	39.2	27 00	....	43.2	34.2	38.5	42 00	....	45.6	33.7	36.1	57 00	43.8	45.6	39.6	34.3
12 30	....	42.5	36.9	39.	27 30	....	42.9	33.1	38.3	42 30	....	45.6	34.6	36.1	57 30	43.6	45.8	39.4	34.3
13 00	....	42.8	36.7	38.9	28 00	....	42.6	33.	38.3	43 00	....	45.8	34.7	36.1	58 00	43.5	45.7	39.7	34.3
13 30	....	42.8	36.4	39.	28 30	....	42.5	33.2	38.3	43 30	....	45.6	35.	35.9	58 30	43.5	45.8	39.8	34.1
14 00	....	43.1	36 4	38.8	29 00	....	42.6	32.9	38.1	44 00	....	46.	35.	36.	59 00	43.3	45.8	39.8	34.3
14 30	....	43.5	36.	39.	29 30	....	42.8	32.7	38.2	44 30	....	46.	35.2	35.9	59 30	....	45.5	40.2	34.3

* 82°.3 Fahrenheit.

G. T.	h. 21	h. 1	h. 2	h. 3	G. T.	h. 21	h. 1	h. 2	h. 3	G. T.	h. 21	h. 1	h. 2	h. 3	G. T.	h. 21	h. 1	h. 2	h. 3
m. s.					m. s.					m. s.					m. s.				
0 00	34.5	....	44.4	39.3	15 00	35.	....	44.8	31.9	30 00	35.2	40.	44.3	....	45 00	35.6	.2.1	43.5	39.8
0 30	34.4	....	44.5	38.5	15 30	35.1	....	44.6	34.7	30 30	35.1	40.	44.	....	45 30	35.6	42.1	43.3	40.2
1 00	....	....	44.4	38.5	16 00	35.1	....	44.8	34.3	31 00	35.1	40.	44.	....	46 00	35.7	42.6	....	40.3
1 30	34.1	....	44.7	38.5	16 30	34.9	....	44.8	34.1	31 30	35.	40.	43.8	....	46 30	35.7	42.7	43.3	40.3
2 00	34.4	....	44.4	38.2	17 00	34.8	....	44.8	34.1	32 00	35.1	40.	43.1	....	47 00	35.6	42.9	....	40.6
2 30	34.5	....	44.2	38.2	17 30	35.1	....	45.	34.	32 30	34.8	40.	43.	....	47 30	35.8	43.	....	40.7
3 00	34.4	....	44.5	37.9	18 00	35.	....	44.9	33.9	33 00	35.1	40.	42.9	....	48 00	35.7	43.3	....	40.7
3 30	34.4	....	44.4	38.2	18 30	35.1	....	44.9	33.8	33 30	35.1	40.1	42.7	....	48 30	35.8	43.2	....	40.9
4 00	34.3	....	44.5	37.7	19 00	35.3	....	44.7	33.6	34 00	35.1	40.1	42.8	....	49 00	†35.7	43.3	....	41.3
4 30	34.7	....	44.6	37.8	19 30	35.7	*45.	44.6	33.5	34 30	34.9	40.	42.8	....	49 30	....	43.	43.4	41.3
5 00	34.5	....	44.7	37.8	20 00	35.7	44.6	44.4	33.3	35 00	35.	40.1	42.8	....	50 00	....	43.3	43.1	41.5
5 30	34.6	....	44.9	38.	20 30	35.5	44.2	44.5	33.3	35 30	35.2	40.	42.9	....	50 30	....	43.6	43.2	41.8
6 00	34.5	....	45.	37.4	21 00	35.9	44.2	44.4	....	36 00	34.9	40.4	43.	....	51 00	....	43.4	43.1	41.9
6 30	34.3	....	45.	37.5	21 30	35.5	44.	44.4	....	36 30	34.9	40.4	43.	....	51 30	....	43.4	42.7	42.2
7 00	34.6	....	45.	37.2	22 00	36.	43.9	44.7	....	37 00	35.1	40.7	43.	....	52 00	....	43.5	42.7	42.2
7 30	34.6	....	45.	37.3	22 30	35.8	43.8	44.8	....	37 30	35.	40.8	43.	36.6	52 30	....	43.1	42.2	42.5
8 00	34.6	....	45.3	37.4	23 00	35.7	43.3	44.9	....	38 00	35.	41.	43.	36.7	53 00	....	43.2	42.3	42.9
8 30	34.6	....	45.8	36.8	23 30	36.	43.3	45.	....	38 30	35.	41.	43.2	36.9	53 30	....	43.3	41.7	43.
9 00	34.6	....	45.7	35.2	24 00	35.7	43.	45.	....	39 00	35.1	41.3	....	37.2	54 00	....	43.5	41.7	43.2
9 30	34.5	....	45.8	35.2	24 30	35.9	42.7	45.	....	39 30	35.2	41.2	....	37.7	54 30	....	43.7	41.7	43.6
10 00	34.7	....	45.7	35.	25 00	35.8	42.8	45.	....	40 00	35.2	41.7	....	37.9	55 00	....	43.7	41.6	43.9
10 30	34.7	....	45.7	34.7	25 30	35.5	42.6	45.1	....	40 30	35.2	41.8	....	38.1	55 30	....	43.9	41.3	44.5
11 00	34.9	....	45.6	34.6	26 00	35.5	42.3	45.3	....	41 00	35.6	41.8	....	38.5	56 00	....	44.	41.	44.4
11 30	34.8	....	45.4	34.6	26 30	35.5	42.	45.4	....	41 30	35.7	42.	....	38.8	56 30	....	44.	40.9	44.8
12 00	34.6	....	45.	34.7	27 00	35.6	41.3	45.1	....	42 00	35.4	42.1	....	38.9	57 00	....	....	40.7	45.1
12 30	34.8	....	45.	34.7	27 30	35.5	40.9	45.1	....	42 30	35.5	42.	....	39.1	57 30	....	....	40.8	45.2
13 00	34.9	....	45.	34.9	28 00	35.3	40.8	45.	....	43 00	35.6	42.	....	39.3	58 00	....	44.	40.8	45.4
13 30	34.9	....	45.	34.9	28 30	35.3	41.	45.	....	43 30	35.5	42.3	43.2	39.5	58 30	....	44.	40.2	45.6
14 00	34.9	....	44.9	34.9	29 00	35.2	40.6	45.	....	44 00	35.6	42.	43.1	39.6	59 00	....	44.3	40.1	45.9
14 30	35.1	....	44.8	34.9	29 30	35.1	40.2	45.	....	44 30	35.6	42.2	43.3	39.8	59 30	....	44.3	39.8	46.1

* 83°.6 Fahrenheit.

† 83°.9 Fahrenheit.

Göttingen time....	h. 4	h. 5	Göttingen time...	h. 4	h. 5	Göttingen time...	h. 4	h. 5	Göttingen time.	h. 4	h. 5
m. s.			m. s.			m. s.			m. s.		
0 00.....	46.1	41.2	15 00.....	....	....	30 00.....	43.7	40.4	45 00.....	44.1	....
0 30.....	46.1	41.3	15 30.....	....	....	30 30.....	43.7	40.3	45 30.....	44.2	....
1 00.....	46.2	41.3	16 00.....	....	....	31 00.....	43.7	40.3	46 00.....	44.2	....
1 30.....	....	41.2	16 30.....	....	41.7	31 30.....	43.7	40.3	46 30.....	....	....
2 00.....	....	41.3	17 00.....	....	41.7	32 00.....	43.7	40.3	47 00.....	....	....
2 30.....	46.	41.3	17 30.....	....	41.7	32 30.....	43.6	40.3	47 30.....	....	....
3 00.....	46.	41.3	18 00.....	....	41.7	33 00.....	43.5	40.3	48 00.....	....	....
3 30.....	46.	41.3	18 30.....	....	41.7	33 30.....	43.4	40.2	48 30.....	....	....
4 00.....	46.	41.3	19 00.....	....	41.5	34 00.....	....	40.2	49 00.....	....	....
4 30.....	45.8	41.4	19 30.....	....	41.5	34 30.....	....	40.2	49 30.....	....	....
5 00.....	45.7	41.4	20 00.....	....	41.4	35 00.....	....	40.1	50 00.....	....	....
5 30.....	45.4	41.6	20 30.....	....	41.2	35 30.....	43.5	40.	50 30.....	....	....
6 00.....	45.	41.6	21 00.....	....	41.3	36 00.....	43.5	40.	51 00.....	....	....
6 30.....	....	41.7	21 30.....	....	41.2	36 30.....	43.5	39.9	51 30.....	....	....
7 00.....	....	41.7	22 00.....	....	41.1	37 00.....	43.7	39.9	52 00.....	....	....
7 30.....	....	41.7	22 30.....	43.8	41.	37 30.....	43.9	39.7	52 30.....	....	....
8 00.....	....	41.7	23 00.....	43.8	41.	38 00.....	44.	39.7	53 00.....	....	....
8 30.....	45.	41.8	23 30.....	43.8	40.9	38 30.....	44.	*39.6	53 30.....	42.8	....
9 00.....	45.	41.8	24 00.....	43.9	40.9	39 00.....	44.	....	54 00.....	42.6	....
9 30.....	....	41.7	24 30.....	44.1	40.8	39 30.....	44.	....	54 30.....	42.3	....
10 00.....	....	41.7	25 00.....	44.	40.7	40 00.....	44.	....	55 00.....	42.2	....
10 30.....	....	41.7	25 30.....	44.1	40.7	40 30.....	44.	....	55 30.....	42.2	....
11 00.....	....	41.7	26 00.....	44.	40.7	41 00.....	44.	....	56 00.....	42.	....
11 30.....	....	41.7	26 30.....	44.1	40.6	41 30.....	44.	....	56 30.....	41.7	....
12 00.....	....	41.6	27 00.....	44.	40.6	42 00.....	44.1	....	57 00.....	41.6	....
12 30.....	....	41.6	27 30.....	44.	40.6	42 30.....	44.1	....	57 30.....	4	....
13 00.....	....	....	28 00.....	44.	40.4	43 00.....	44.1	....	58 00.....		....
13 30.....	....	....	28 30.....	44.	40.4	43 30.....	44.1	....	58 30.....		....
14 00.....	....	....	29 00.....	43.9	40.5	44 00.....	44.1	....	59		....
14 30.....	....	....	29 30.....	43.7	40.6	44 30.....	44.1				

Göttingen time.	m. 0	m. 2	m. 4	m. 6	m. 10	m. 12	m. 14	m. 16	m. 20	m. 24	m. 28
h.											
2	560.6	562.	563.1	562.7	562.6	563.6	565.5	566.9	566.7	567.3	
3	578.7	578.9	577.4	576.9	574.	573.1	570 3	569.1	568.	567.6	
4	568.7	569.2	569.5	568.9	568.1	567.9	.....	.....	.....	.....	
5	[594.5	594.7	594.8	594.4	595.	595.	594 7	593.6	593.	591.9	
5	577.6	577.5	577.	576.1	575.1	‖574.	573.7	573.	571.1	569.6	
6	568 6	569.1	569.9	570.7	570.6	570.6	571.1	573.	573.7	573.	
6	577.3	578.	578.7	579.9	579.7	580.4	580.1	579.3	578.3	577.6	
7	576.4	576.4	576.2	575.9	576.6	576.6	575.	575.1	575.5	575.3	
7	*574.	574.7	576.4	576.6	576.9	576.6	576.6	577.3	578.	579 5	
17	[555.	554.8	554.4	554.6	553 6	553.3	551.9	550.1	550.1	550.	
18	553.1	.....	553.1	.....	554 9	.....	553.5	.....	553.6	.....	
19	553.2	553.9	553.9	553.3	554.1	554.9	554.5	555.	555.5	555.4	
20	557.5	557.7	557.8	558.6	559.	‖558.3	.....	.....	.....	.....	

Göttingen time.	m. 30	m. 32	m. 36	m. 38	m. 42	m. 44	m. 48	m. 50	m. 54	m. 56
h.										
2	571.7	573.8	579.1	582.	584.9	585.9	585.1	583.9	580.9	579.8
3	568.5	568.1	567.1	568.	568.3	568.3	568.5	568.4	568.4	568.1
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	591.	590.1	589.	587.3	585.2	583.6	581.5	580.6	579.7	579.6
5	568.7	567.9	567.2	567.	567.3	567.5	567.7	567.4	567.9	568.5
6	†573.	573.1	573.8	574.	575.1	576.1	576.8	577.	576.9	577.1
6	576.9	576.5	575.5	574.4	573.5	§574.3	574.5	575.5	576.4	576.5
7	575.1	575.1	575.	574.9	575.	574.3	573.9	574.	574.	574.9
7	579 5	579.4	580.	.....	.....	.....	.....	.....	.....	.....
17	552.3	552.7	552.9	553.7	554.7	554 3	554.4	553 8	553.4	553.7
18	553.	.....	553.3	553.	553.3	554.9	553.4	553.4	553.9	553.
19	555.4	555.5	555.4	556.	556.2	556.	556.5	557.2	556.9	557.7
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] 5h. 30m., observations of vibrations commenced; means registered are 1m. 12s. apart.

[2] Times of observation marked in the heads of the columns resumed.

* 7h. 30m., † 6h. 30m., ‡ 6h. 0m., § 7h. 0m.

‖ See observations taken in concert with Lieutenant Lefroy.

OBSERVATIONS OF VIBRATIONS.

h., G. T.		°						°				
2.....	[1]969.2	80.2	965.5	963.2	962.2	967.5	971.4	80.1	975.5	978.9	969.6	976.1
2.....	983.6	80.1	987.	991.2	994.9	999.3	998.9	80.1	996.5	993.1	990.3	988.5
2.....	986.4	80.1	986.7	989.4	990.	990.2	987.5	80.1	983.	979.1	976.9	974.2
3.....	973.5	80.1	973.4	973.	974.6	977.8	982.2	80.1	981.	978.6	974.8	971.5
3.....	[2]969.	80.	969.3	969.	968.8	967.8	967.4	79.9	965.3	965.4	964.7	964.5
3.....	964.4	79.9	964.2	964.5	964.2	963.1	962.5	79.9	963.5	964.	963.8	963.4
4.....	....	....	....	....	[8]963.1	962.6	962.5	79.8	957.4	958.5	960.6	962.4
5.....	962.8	79.6	959.5	962.2	973.9	956.2	942.1	79.8	....	....	....	....
5.....	[3]942.1	79.8	939.	931.4	926.5	925.7	929.2	....	934.	941.7	941.9	941.2
5.....	940.	....	936.7	935.2	936.9	935.2	936.4	79.2	938.7	940.4	940.5	944.7
6.....	949.	79.2	951.5	953.	956.1	958.8	959.8	79.1	964.2	967.7	967.1	964.2
6.....	964.2	78.8	965.5	968.6	....	966.2	966.7	....	967.4	970.5	976.1	980.5
7.....	[4]978.2	78.8	....	....	....	....	....	....	....	....	....	....
16.....	[5]997.5	77.1	994.6	995.	994.5	992.9	993.1	....	991.3	988.3	987.3	987.
17.....	987.5	77.1	987.2	987.4	987.8	987.8	986.3	77.2	[10]985.3	983.7	984.3	984.5
17.....	982.2	....	982.7	981.4	980.6	979.6	978.2	77.5	977.2	976.2	976.3	....
18.....	[6]974.	77.7	974.	972.7	970.4	971.5	972.2	78.1	971.2	971.6	972.9	973.2
19.....	973.3	....	970.4	973.7	974.2	973.	973.1	....	973.9	974.	[11]971.7	970.8
19.....	972.4	....	973.8	971.4	971.5	[9]973.1	973.2	....	971.6	971.1	973.	976.4
19.....	972.4	....	972.3	972.3	973.	974.3	974.2	....	974.6	973.8	972.3	973.
20.....	[7]969.6	78.9	971.5	....	....	....	....	....	....	....	....	....

NOTE.—For the observations between 7*h.* and 16*h.* and the vertical force observations, see observations taken in concert with Lieutenant Lefroy.

Very light in N., NE., and NW., at 2*h.* 32*m.*

[1] 2*h.* 2*m.*, observations are 2*m.* 15*s.* apart.
[2] 3*h.* 32*m.*
[3] 5*h.* 32*m.*, vibrations resumed.
[4] 7*h.* 2*m.*
[5] 16*h.* 56*m.*
[6] 18*h.* 38*m.*
[7] 20*h.* 8*m.*
[8] 4*h.* 20*m.*, observations taken at interval
[9] 19*h.* 32*m.*

Göttingen time.	h. 4	h. 6	h. 7	Göttingen time.	h. 4	h. 6	h. 7	Göttingen time.	h. 4	h. 6	h. 7	Göttingen time.	h. 4	h. 6	h. 7
m. s.				m. s.				m. s.				m. s.			
0 00.....	38.	30.1	43.8	15 00.....	....	34.1	39.9	30 00.....	38.	40.2	....	45 00.....	36.2	41.3	....
0 30.....	38.	29.9	43.7	15 30.....	....	34.4	39.6	30 30.....	38.	40.4	....	45 30.....	36.1	41.3	....
1 00.....	38.	29.7	43.4	16 00.....	....	34.6	39.6	31 00.....	37.6	40.7	....	46 00.....	36.4	40.9	....
1 30.....	38.	29.6	....	16 30.....	....	34.5	39.7	31 30.....	37.9	....	....	46 30.....	36.5	41.2	....
2 00.....	37.9	29.5	....	17 00.....	....	34.9	39.6	32 00.....	37.7	40.6	....	47 00.....	36.6	41.1	....
2 30.....	37.9	29.7	....	17 30.....	....	35.1	39.6	32 30.....	36.9	40.9	....	47 30.....	36.6	41.3	....
3 00.....	37.9	29.8	....	18 00.....	....	35.	*39.4	33 00.....	37.6	40.6	....	48 00.....	36.9	41.3	....
3 30.....	37.8	30.2	....	18 30.....	....	35.1	....	33 30.....	36.5	40.4	....	48 30.....	36.8	41.3	....
4 00.....	37.9	30.2	....	19 00.....	....	35.2	....	34 00.....	37.	40.1	...	49 00.....	36.8	41.2	....
4 30.....	37.9	30.3	....	19 30.....	....	35.4	....	34 30.....	36.9	....	....	49 30.....	36.9	41.1	....
5 00.....	37.6	30.6	....	20 00.....	37.9	35.9	....	35 00.....	37.	....	....	50 00.....	36.8	41.	....
5 30.....	37.6	30.6	....	20 30.....	37.9	36.2	....	35 30.....	36.6	....	....	50 30.....	37.	41.	....
6 00.....	38.	30.7	....	21 00.....	38.1	36.4	....	36 00.....	36.4	....	....	51 00.....	37.	41.4	....
6 30.....	38.	30.7	....	21 30.....	38.5	36.7	....	36 30.....	36.	....	....	51 30.....	37.	41.7	....
7 00.....	37.9	30.6	....	22 00.....	38.2	37.	....	37 00.....	36.	....	....	52 00.....	37.	41.9	....
7 30.....	38.	30.6	....	22 30.....	38.	37.3	....	37 30.....	36.	....	....	52 30.....	37.	42.1	....
8 00.....	37.9	30.6	....	23 00.....	38.	37.7	....	38 00.....	36.	....	....	53 00.....	37.1	42.5	....
8 30.....	37.9	30.7	41.7	23 30.....	37.9	37.8	....	38 30.....	36.2	....	....	53 30.....	37.	42.9	....
9 00.....	38.	31.	41.6	24 00.....	38.	....	....	39 00.....	36.	40.9	....	54 00.....	37.	43.2	....
9 30.....	38.	30.9	41.6	24 30.....	38.1	....	....	39 30.....	35.9	41.4	....	54 30.....	37.	43.5	....
10 00.....	38.	31.3	41.6	25 00.....	37.8	....	....	40 00.....	35.8	41.8	....	55 00.....	37.	43.9	....
10 30.....	38.	31.6	41.6	25 30.....	38.	....	....	40 30.....	35.9	41.8	....	55 30.....	37.	44.	....
11 00.....	38.	32.2	41.6	26 00.....	38.	....	....	41 00.....	36.	41.7	....	56 00.....	37.	44.2	....
11 30.....	38.	32.6	41.3	26 30.....	38.	....	....	41 30.....	36.	41.9	....	56 30.....	37.	44.6	....
12 00.....	37.9	32.8	41.2	27 00.....	38.	....	....	42 00.....	36.	42.3	....	57 00.....	37.	44.3	....
12 30.....	37.8	32.9	41.	27 30.....	38.	....	....	42 30.....	36.	42.	....	57 30.....	37.5	44.2	....
13 00.....	37.7	33.1	40.8	28 00.....	38.	....	....	43 00.....	36.3	41.9	....	58 00.....	37.7	44.2	....
13 30.....	37.7	33.5	....	28 30.....	37.4	....	....	43 30.....	36.3	41.8	....	58 30.....	37.8	43.9	....
14 00.....	37.9	33.5	40.3	29 00.....	37.8	....	....	44 00.....	36.1	41.7	....	59 00.....	38.	43.9	....
14 30.....	38.	33.9	40.	29 30.....	37.8	....	....	44 30.....	36.1	41.6	....	59 30.....	37.9	43.8	....

For ratio of scales at the college building to observatory, see general notes.

* 76°.2 Fahrenheit.

Göttingen time	m. 0	m. 2	m. 6	m. 8	m. 12	m. 14	m. 18	m. 20	m. 24	m. 26
h.										
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	563.9	561.	562.8	562.7	562.	563.2	562.6	561.	561.1	559.9
0	560.8	560.9	560.9	560.4	558.8	559.8	559.	558.6	559.9	560.1
1	561.	561.7	561.2	561.2	561.4	.....	561.7	.....	562.2	.....
2	561.9	.....	562.3	.....	562.1	.....	562.2	.....	562.3	.....
3	561.4	.....	563.1	.....	564.	.....	563.	.....	562.5	.....
4	562 2	.....	564.5	.....	564.	.....	563.8	.....	563.9	.....
5	562.1	.....	562.1	.....	562.	.....	562.	.....	562.	.....
6	562.5	.....	562.7	.....	563.	.....	563.5	.....	563.5	.....
7	564.	.....	564.5	.....	564.6	.....	564.8	.....	565.8	.....
8	567.1	.....	566.5	.....	568.	.....	567.3	.....	.....	.....
9	555.1	.....	556 3	.....	557.5	.....	557.8	.....	558.5	.....
10	577.7	.....	579.2	.....	576.8	.....	574.	.....	573.6	.....
11	570.	.....	573.6	.....	573.9	.....	570.	.....	567.2	.....
12	552.	.....	551.7	.....	555.7	.....	559.9	.....	557.7	.....
13	551.6	553.2	555.	550.4	546.9	548.4	551.3	552.2	553.9	556.8
14	559.8	559.7	558.1	556.3	553.9	554.9	555.7	555.	550.8	549.3
15	545.1	543.9	542.	542.6	543.3	.....	545.8	545.8	547.1	547.8
16	547.3	546.8	548.4	548.1	544.6	544.6	542.1	541.1	540.8	540.1
17	547.7	548.3	549.4	548.8	548.8	548.3	547.	545.4	545.3	544.4
18	542.3	541.	541.8	542.8	544.3	547.8	548 8	549.1	547.2	544.6
19	530.4	532.4	539.9	541.4	542.2	539.9	536.2	537.	537.	537.
20	540.2	539.9	540.6	.....	544.4	.....	541.4	.....	539.9	.....
21	539.5	.....	541.3	.....	535.8	.....	540.9	.....	544.4	.....

Göttingen time	m. 30	m. 32	m. 36	m. 38	m. 42	m. 44	m. 48	m. 50	m. 54	m. 56
h.										
22	555.3	.....	556.7	.....	556.9	.....	559.4	.....	563.1	.....
23	.....	558.5	558.6	557.6	558.8	559.	559.3	559.4	559.8	560.6
0	561.9	562.4	562.7	562.8	561.7	561.7	561.9	562.	561.9	561.5
1	562.7	.....	562.3	.....	562.	.....	562.1	.....	561.6	.....
2	562.	.....	561.9	.....	562.8	.....	563.6	.....	561.6	.....
3	561.9	.....	562.	.....	562.3	.....	562.5	.....	562.7	.....
4	563.8	.....	562.9	.....	563.	.....	563.2	.....	562.5	.....
5	562.	.....	562.1	.....	562.9	.....	563.1	.....	563.3	.....
6	563.6	.....	564.2	.....	564.8	.....	564.	.....	564.6	.....
7	565.9	.....	565.	.....	565.4	.....	567.2	.....	567.	.....
8	.....	.....	566.8	.....	564.2	.....	566.9	.....	566.	.....
9	.....	.....	564.5	.....	565.2	.....	567.6	.....	572.1	.....
10	571.7	.....	569.5	.....	567.4	.....	567.1	.....	565.7	.....
11	566.1	.....	566.	.....	560.2	.....	559.7	.....	561.1	.....
12	560.5	.....	561.8	.....	560.4	.....	546.2	546.3	547.6	548.8
13	560.7	561.6	562.6	561.9	561.8	562 3	561.1	560.9	560.7	560.
14	516.	545.6	546.5	547.1	550.3	551.3	551.9	550.6	548.1	547.1
15	550.	551.	551.4	551.	550 4	550.7	549.	547.1	544.1	544.1
16	539 2	539.6	540.1	539.6	542.5	544.8	545.	545.1	544.2	545.8
17	542.9	541.6	540.7	539.4	541.1	542.	543.1	543.7	544.8	545.
18	541.3	540.2	539.9	540.2	538 9	539.1	538.5	537.3	535.8	533.9
19	537.4	537.5	538.8	538.2	541.1	540.1	538.2	537.6	537.4	538.6
20	535.	.....	545.3	.....	544.4	.....	.....	.....	540.1	535.8
21	543.7	.....	545.3	.....	546.9	.....	547.	.....	544.7	.....

Göttingen time	m. 0	m. 2	m. 6	m. 8	m. 12	m. 14	m. 18	m. 20	m. 24	m. 26
h.										
22	515.9	.....	544.2	.....	546.7	.....	544.6	.....	546.3	.....
23	537.6	.....	534.9	.....	540.2	.....	544.7	.....	551.	.....
0	558.1	.....	561.6	.....	560.1	.....	558.9	.....	559.1	.....
1	559.	559.	559.	559.4	561.9	562.8	564.8	563.5	562.1	559.4
2	576.6	575.3	576.1	578.7	585.5	584.9	581.5	583.7	584.6	582.7
3	*565.5	562.4	558.	556.8	558.8	559.	566.7	573.9	591.7	594.2
4	578.2	573.8	566.2	562.4	556.7	555.6	557.4	561.1	567.6	569.4
5	563.	561.	562.8	563.	562.5	562.3	562.	562.	561.9	561.5
6	562.6	.....	562.5	.....	562.	.....	561.8	.....	562.5	.....
7	554.2	.....	568.1	.....	569.7	.....	561.	.....	558.	.....
8	564.	.....	564.4	.....	567.	.....	566.6	.....	567.1	.....
9	567.2	.....	568.8	.....	567.6	.....	568.	.....	568.2	.....
10	570.8	.....	572.6	.....	574.8	.....	575.2	.....	574.9	.....
11	577.	.....	578.2	.....	578.	.....	579.	.....	580.3	.....
12	582.5	.....	583.2	.....	583.6	.....	583.5	.....	583.	.....
13	582.7	.....	581.7	.....	581.5	.....	581.2	.....	580.7	.....

* A very bright appearance in NE. horizon; 3*h*. 30*m*., the same appearance.

Göttingen time	m. 30	m. 32	m. 36	m. 38	m. 42	m. 44	m. 48	m. 50	m. 54	m. 56
h.										
22	550.5	.....	559.7	.....	538.	.....	549.1	.....	540.7	.....
23	551.9	.....	551.7	.....	554.9	.....	557.2	.....	557.4	.....
0	560.7	.....	561.4	.....	562.	.....	561.5	.....	559.5	.....
1	557.5	554.	555	556.8	562.4	565.1	569.8	571.1	576.2	576.9
2	579.	576.1	572.8	572.1	572.	573.	571.8	569.2	566.7	567.2
3	591.	593.9	598.7	601.	595.8	590.4	585.6	585.2	586.	584.1
4	570.2	569.3	568.1	568.	566.2	566.1	564.9	564.	563.1	563.1
5	561.9	561.6	561.4	561.3	561.9	.....	.....	.....	561.9	.....
6	563.8	.....	565.	.....	566.8	.....	567.3	.....	566.3	.....
7	555.1	.....	558.	.....	562.1	.....	565.5	.....	565.1	.....
8	567.2	.....	567.	.....	566.6	.....	566.8	.....	566.9	.....
9	569.9	.....	572.	.....	.....	.....	570.	.....	569.4	.....
10	575.2	.....	575.3	.....	575.	.....	575.	.....	575.8	.....
11	581.9	.....	582.1	.....	582.	.....	582.2	.....	583.1	.....
12	583.2	.....	583.4	.....	583.1	.....	582.1	.....	583.	.....
13	580.3	.....	580.3	.....	580.2	.....	579.8	.....	579.7	.....

Göttingen time	m. 0	m. 6	m. 12	m. 18	m. 24	m. 30	m. 36	m. 42	m. 48	m. 54
h.										
2	564.3	569.1	580.7	594.2	589.	581.8	575.1	573.9	572.2	580.5
3	589.1	590.8	591.	588.9	586.5	582.8	578.7	573.1	568.7	567.3
4	567.8	569.	569.	568.6	569.3	568.8	567.7	565.4	565.	565.2
5	562.5	563.9	563.7	563.6	563.5	.....	.....	.....	.....	.....

Göttingen time.	*m.* 2	Therm., Fah.	*m.* 8	*m.* 14	*m.* 20	*m.* 26	*m.* 32	Therm., Fah.	*m.* 38	*m.* 44	*m.* 50	*m.* 56
h.												
21	943.7	82.6	943.7	950.6	947.5	943.8	934.9	83.	941.7	959.5	965.5	978.5
22	994.3	83.5	1000.5	1000.7	991.8	984.8	976.2	84.2	972.4	977.	974.8	*959.6

OBSERVATIONS OF VIBRATIONS.

h.												
22	*959.6†	959.7	955.2	950.1	954.3	†954.2	948.9	946.8	940.4	930.8	933.8	937.5
23	.....	932.	932.2	931.5	§.....‖	938.8	938.2	941.6	944.7	945.1	944.1	945.
23	947.4	948.6	946.3	941.8	937.9	‡934.6	932.7	930.8	931.1	936.5	943.2	944.
0	950.3	957.1	962 5	965.1	967.3	964.4	¶960.1	957.1	953.6	952.4	952.9	954.5
0	‡955.6	953.5	953.1	952.4	951.3	952.2	952.4	§957.4	**955.3	956.5	956.5	957.4
1	958.7	960.	960.3	959.5	.....	.....	.....	.....	.....	.....	.....	.....

* Time, 22*h*. 56*m*. Observations of vibrations commenced; means registered are 2*m*. 15*s*. apart.

† 84°.7 Fah.

‡ 85°.4 Fah.

§ 85°.2 Fah.

‖ Time, 23*h*. 32*m*.

¶ 85°.7 Fah.

** Time, 1*h*. 2*m*.

Göttingen time.	*m.* 2	Therm., Fah.	*m.* 8	*m.* 14	*m.* 20	*m.* 26	*m.* 32	Therm., Fah.	*m.* 38	*m.* 44	*m.* 50	*m.* 56
1*h*.	.....	....	.....	960.1	960.3	959.5	959.6	85.	960.7	960.3	960.2	964.5
2	964.9	84.9	965.7	966.6	965.5	964.5	964.4	84.6	966.8	969.	969.5	969.3
3	972.9	84.5	971.1	966.6	962.7	961.1	963.2	84.3	966.2	963.4	954.2	951.3
4	952.8	84.	950.5	950.2	955.3	956.1	955.6	83.7	954.7	955.7	954.8	954.7
5	953.3	83.5	950.2	949.7	950.4	952.6	954.2	83.2	953.3	953.4	953.3	953.1
6	953.3	82.8	953.5	953.7	953.4	951.	948.	82.4	947.8	950.1	954.3	952.5
7	954.4	81.9	951.5	952.3	940.	941.4	944.5	81.5	913.5	940.	937.5	946.5
8	940.8	81.2	948.1	953.6	947.4	.....	961.	....	960.5	967.9	971.3	958.7
9	956.7	80.4	955.5	952.7	953.2	948.1	948.8	79.8	943.8	945.7	946.3	947.4
10	945.4	79.5	949.6	957.2	958.	962.9	969.6	79.	969.4	967.4	969.	968.5
11	957.1	78.6	948.8	948.6	945.4	945.2	943.8	78.3	946.5	941.5	949.1	979.
11	973.6	77.9	971.3	984.8	981.9	974.	982.	77.7	998.7	[9]1014.8	1018.4	1018.
12	1011.1	77.8	1006.	1003.2	1005.2	1015.3	[4]1020.3	77.8	1024.4	1026.8	1028.5	1022.3
12	1015.1	77.8	1006.1	998.5	997.5	989.8	987.2	77.8	991.6	992.9	995.3	995.
13	996.6	77.8	996.	995.4	997.2	996.1	1000.2	77.7	1000.2	1003.6	1007.8	1010.4
13	1012.2	77.7	1014.8	1018.3	1019.6	1022.3	1023.5	77.7	1026.9	1028.	1030.	1032.6
14	1033.9	77.7	1049.8	1046.	1048.5	1055.1	[5]1052.5	77.8	1052.6	1050.1	1049.8	1049.4
14	1045.7	77.8	1041.6	1037.5	1028.7	1023.6	1028.2	77.9	1026.5	1021.3	1019.8	1018.
15	1022.	77.9	1021.6	1022.1	1020.8	1022.4	1024.4	77.9	1023.1	1027.6	1030.1	1030.9
15	1032.	78.	1032.8	1034.9	1038.6	1040.6	1042.3	....	1044.3	1047.4	1044.2	.....
15	1044.7	....	1040.9	1036.6	1035.4	1030.1	[6]1031.6	78.6	1029.5	1028.4	1025.8	1027.7
15	1030.5	....	1033.4	1032.	1034.2	1032.6	1032.3	78.6	1030.8	1029.7	1029.7	1030.7
16	1032.8	78.6	1032.5	1032.7	1035.6	1036.6	1039.4	78.7	1039.1	1038.9	1036.1	1030.2
16	1027.9	....	1026.5	[1]1024.	1026.1	1026.	1028.4	....	1028.	1029.	[10]1030.	1030.3
16	1030.4	....	1028.1	1025.5	1023.7	1020.7	[7]1021.4	79.	1021.8	1020.4	1019.9	1017.9
16	1013.	79.1	1009.3	1006.5	1003.5	999.	995.6	79.2	992.5	993.4	999.5	998.1
17	998.	....	993.8	[2]992.5	987.2	969.8	965.7	....	963.4	961.6	[11]964.6	970.8
17	974.4	....	982.2	984.5	982.3	983.6	979.8	79.5	980.9	982.4	977.2	971.
18	968.5	79.7	969.2	969.8	972.	978.5	[8]979.6	79.7	978.8	969.7	963.2	957.6
18	951.9	....	949.5	[3]949.7	949.8	947.3	946.1	....	950.1	949.2	[12]949.2	952.9
19	956.5	....	958.3	957.	948.6	945.	943.5	80.	943.8	945.9	950.2	951.
19	948.4	80.2	949.9	951.9	949.7	.....	.....	....	.....	.....	.....	.....

[1] 78°.8 F. [2] 79°.3 F. [3] 79°.9 F. [4] Time, 13*h*. 2*m*. [5] Time, 14*h*. 32*m*. [6] Time, 16*h*. 2*m*. [7] Time, 17*h*. 32*m*. [8] Time, 19*h*. 2*m*. [9] Observations of vibrations commenced. Means registered are 2*m*. 15*s*. apart. [10] 78°.9 F. [11] 79°.4 F. [12] 80° F.

Göttingen time..	*m.* 2	Therm., Fah.	*m.* 8	*m.* 14	*m.* 20	*m.* 26	*m.* 32	Therm., Fah.	*m.* 38	*m.* 44	*m.* 50	*m.* 56
h.												
20	951.4	80.2	945.8	934.1	926.4	912.2	941.5	80.8	932.7	939.3	950.3	940.9
21	945.7	81.	952.8	968.8	954.5	943.2	964.1	81.5	965.2	952.1	943.	947.7
22	954.6	81.7	956.2	932.6	942.9	947.	956.3	82.3	960.5	948.2	964.2	986.
23	1006.2	82.7	1015.1	1008.9	1022.7	1014.5	1011.	83.3	1018.1	1016.	1015.6	1010.
0	1000.1	83.3	987.4	989.3	991.9	1000.1	1005.5	83.4	1008.1	1012.2	1015.7	1015.2
1	1017.7	83.4	.....	.....	.....	.....	.....	....	.....	.....	.....	.....
1	[1]1017.7	83.4	1018.5	1017.8	1016.7	1013.	1007.1	83.3	1000.6	996.7	993.9	998.
1	995.	....	996.4	[5]1001.1	1002.7	1007.2	1008.6	....	1007.7	1008.6	[11]1010.8	1012.5
1	1013.5	....	1017.	1018.9	1018.2	[8]1017.3	1018.8	....	.....	1020.2	1020.9	1021.9
1	1018.	82.9	1011.6	1009.6	1010.2	1015.2	1014.7	....	1009.	1009.1	1012.	1015.7
2	[2]1016.	....	1019.9	1025.	1029.2	1033.7	1035.1	82.3	1036.6	1034.5	[12]1033.1	1035.4
2	1034.6	....	1030.4	1027.1	1029.3	[9]1038.2	1036.5	....	1038.	1037.5	1037.8	1042.
3	1047.2	81.9	1049.	1050.4	1037.5	1013.	.....	....	1002.7	1000.	997.6	992.
3	982.	....	974.2	[6]973.8	976.7	979.4	979.3	....	976.2	974.3	[13]971.1	969.2
4	[3]966.5	81.2	967.3	969.5	972.4	[10]981.1	988.8	....	995.3	1000.3	1006.1	1007.9
4	1005.	80.8	1001.4	999.4	999.8	1000.1	1000.9	80.5	998.8	997.6	997.4	997.3
5	995.7	....	996.9	[7]998.	998.2	998.5	997.8	....	996.7	994.6	[14]993.7	993.
5	992.7	....	992.2	991.3	990.2	989.7	989.1	....	988.1	988.4	987.6	987.1
5	[4]985.9	79.7	984.8	985.2	.....	.....	.....	....	.....	.....	.....	.....

[1] Time, 1*h*. 2*m*., observations of vibrations commenced.
[2] Time, 2*h*. 32*m*.
[3] Time, 4*h*. 2*m*.
[4] Time, 5*h*. 32*m*.
[5] 83°.3 Fah.
[6] 81°.6 Fah.
[7] 80°.3 Fah.
[8] 83°.0 Fah.
[9] 82°.0 Fah.
[10] 81°.0 Fah.
[11] 83°.2 Fah.
[12] 82°.3 Fah.
[13] 81°.3 Fah.
[14] 80°.2 Fah.

Göttingen time..	*m.* 2	Therm., Fah.	*m.* 8	*m.* 14	*m.* 20	*m.* 26	*m.* 32	Therm., Fah.	*m.* 38	*m.* 44	*m.* 50	*m.* 56
h.												
5	.....	....	.....	.....	.....	.....	.....	79.7	986.	985.9	983.5	984.
6	983.5	79.4	984.6	988.	988.8	986.2	986.7	78.8	982.6	979.9	982.4	984.7
7	987.2	....	954.	932.9	933.1	940.3	957.8	77.8	962.	967.5	968.2	970.9
8	974.	77.5	977.6	976.	977.3	974.7	975.2	76.8	973.5	974.9	976.9	974.7
9	976.5	76.3	975.7	975.2	976.4	979.9	981.4	....	979.9	979.4	978.6	979.
10	975.	75.4	973.1	968.6	968.7	970.8	970.2	75.1	969.4	968.1	967.3	965.4
11	963.2	74.8	962.5	963.6	961.9	960.2	959.7	74.5	959.7	959.8	960.5	960.9
12	959.7	74.2	960.2	959.9	959.9	959.7	960.	74.	959.5	961.3	961.9	960.
13	958.1	74.	959.4	962.3	962.5	964.5	967.6	74.2	969.9	.....	.....	.....
*3	984.7	87.8	981.9	983.4	986.1	991.3	994.7	86.3	995.6	999.2	1005.3	1002.8
4	1001.2	86.	998.2	997.8	1000.9	999.7	997.8	85.7	992.1	991.5	989.7	987.1
5	985.9	85.4	983.2	984.	983.5	982.9	.....	85.	.....	.....	.....	.....

* July 27.

Göttingen time	*m.* 4	Therm., Fah.	*m.* 10	*m.* 16	*m.* 22	*m.* 28	*m.* 34	Therm., Fah.	*m.* 40	*m.* 46	*m.* 52	*m.* 58
h.												
22	835.8	83.8	836.6	836.6	837.7	838.7	840.3	84.2	842.	844.	846.2	847.9
23	848.9	84.7	851.3	853.2	854.1	855.9	857.	84.7	858.6	860.4	861.7	863.
0	863.8	84.8	864.8	866.	867.	868.4	869.	....	869.7	870.7	871.4	873.1
1	873.	84.8	873.8	874.6	875.	875.5	875.9	84.8	875.9	876.1	876.6	877.
2	877.3	84.7	877.7	878.	878.2	878.2	878.9	84.5	879.	879.3	879.2	879.6
3	879.8	84.3	879.7	879.9	879.7	879.4	879.9	....	880.	879.9	879.7	879.8
4	879.8	84	879.9	879.8	879.8	879.4	879.4	83.9	879.	879.	878.8	878.7
5	878.7	83 6	878.8	878.9	878.8	878 7	878.7	83.4	878.7	878 4	878.	877.8
6	877.5	83.	877.3	877.1	877.	876.5	876.3	82.7	876.	875.1	875.	875.
7	874.2	82.2	873.8	873.8	873.	872.5	872.2	82.	872.	871.7	871.2	871.
8	870.1	81.8	870.8	869.5	869.5	.....	868.5	81.4	868.	868.	868.	869.
9	870.7	81.	871.6	872.9	874.8	875.7	877.2	....	878.	878.7	879.1	879.
10	879.9	....	880.	880.7	880.	880.	880.	80.1	879.1	879.	878.8	877.8
11	877.7	79.7	877.6	877.	876.5	876.7	876.7	79.5	876.	875.4	876.2	875.
12	874.9	79.1	876.1	875.7	873.9	873.8	873.1	78.8	871.2	869.2	867.1	868.
13	867.6	78.6	866.2	865.1	865.3	867.4	866.9	....	865.	862.9	861.6	859.7
14	858.1	78.6	856.9	856.2	854.2	852.9	851.8	78.7	851.	850.1	849.2	849.6
15	848.6	79.	847.3	846.3	845.5	844.	842.8	....	841.7	840.7	839.5	838.7
16	837.8	79.4	836.9	836.1	835.1	833.8	832.9	79.6	832.2	831.8	830.9	830.5
17	830.3	80.1	829.7	828.5	827.8	826.9	826.	80.5	825.8	825.3	825.2	824.
18	823.1	80.8	822.8	822.3	822.	821.8	822.	81.	821.3	821.	820.6	820.1

n time..	m. 4	Therm., Fah.	m. 10	m. 16	m. 22	m. 28	m. 34	Therm., Fah.	m. 40	m. 46	m. 52	m. 58
19.....[a]	820.	81.4	819.5	819.	818.7	818.9	818.2	82.	818.5	818.1	818.1	817.4
20.....	817.5	82.1	817.7	817.9	817.9	818 1	818.	82.2	817.7	.....	818.5	818.6
21.....	818 9	82.5	819.3	820.1	820.3	820.6	821.1	82.9	822.2	822.7	822.9	823.
22.....	824.	83.2	824.5	824.1	824.1	824.	.....	83.3	826.2	.....	828.	828.6
23.....	829.2	83.5	832.	835.7	838.4	840.8	842.1	83.7	843.7	846.	847.2	848.
0.....	849.8	83.8	850.3	850.4	850.	850.	849.	83.8	848.9	849.	849.3	850.
1.....	850.4	83.6	850.5	851.5	852.9	854.2	853.8	83.4	852.8	852.4	853.	853.4
2.....	853.9	83.1	854.5	856.	857.9	859.3	860.5	82.9	861.1	861.8	862.2	864.
3.....	864.9	82.5	865.9	866.	864.2	865.5	866.1	82.1	868.5	870.	870.2	871.1
4.....	871.1	81.6	870.1	868.8	866.4	864.6	863.3	81.2	862.3	861.1	860.	858.9
5.....	857.9	80.9	856.9	856.	855.2	854.8	854.2	80.3	853.8	853.2	852.8	852.1
6.....	851.5	79.9	851.	850.1	849.5	851.	848.7	79.5	849.4	848.	848.2	846.8
7.....	846.8	....	848.7	850.9	851.8	851.3	850.1	78.5	848.6	846.6	844.6	843.2
8.....	840.3	78.1	838.6	837.	836.	834.1	.....	77.7	832.6	831.9	831.	830.2
9.....	828.9	....	828.	.....	827.1	826.8	826.	....	824.2	823.	822.1	821.9
10.....	821.1	76.3	821.	820.	820.	818.9	818.	76.1	816.7	816.5	816.	815.7
11.....	815.	75.8	814.4	813.9	813.2	812.8	812.	75.5	811.2	810.9	810.	809.2
12.....	808 6	75.2	808.	807.3	806.4	806.	805.	75.	803.6	802.8	802.7	802.1
13.....	801.9	75.	801.3	801.	800.8	800.5	800.1	75.	799.9	798.5	798.3	799.
3.....	907.6	86.3	907.9	908.5	909.	908.8	908.	86.2	907.	906.9	906.	905.6
4.....	905.	85.9	903.8	904.	903.2	902.5	901.8	85.7	901.4	901.	900.8	900.2
5.....	899.9	85.5	899.9	899.5	899.3	899.3	.....	....	.....	.....	.....	.....

[a] July 27.

G. T.	h. 13	h. 14	h. 15	h. 16	G. T.	h. 13	h. 14	h. 15	h. 16	G. T.	h. 13	h. 14	h. 15	h. 16	G. T.	h. 13	h. 14	h. 15	h. 16
m. s.					m. s.					m. s.					m. s.				
0 00	....	....	52.8	....	15 00	46.5	....	....	....	30 00	49.	....	....	....	45 00	50.8	61.6	....	62.6
0 30	....	....	52.9	....	15 30	46.3	....	....	....	30 30	49.1	....	....	....	45 30	50.7	60.8	....	62.6
1 00	....	....	52.9	....	16 00	47.6	....	....	....	31 00	49.7	....	....	....	46 00	50.4	60.3	....	62.6
1 30	....	....	53.5	....	16 30	47.7	....	....	....	31 30	49.4	....	....	....	46 30	50.6	59.6	....	62.7
2 00	57.5	....	53.8	....	17 00	47.8	....	....	....	32 00	49.3	....	....	....	47 00	51.1	59.2	....	62.7
2 30	57.6	....	54.6	....	17 30	46.9	....	....	....	32 30	49.4	....	....	....	47 30	51.4	57.4	....	62.8
3 00	57.6	....	54.4	....	18 00	46.8	....	....	....	33 00	49.6	....	....	....	48 00	51.7	57.	....	63.1
3 30	57.7	....	54.7	....	18 30	46.3	....	....	....	33 30	49.6	....	....	....	48 30	51.7	57.2	....	63.7
4 00	57.5	....	54.7	....	19 00	45.4	....	....	....	34 00	*49.4	....	....	....	49 00	52.	56.8	....	64.
4 30	57.5	....	54.5	....	19 30	44.8	....	....	....	34 30	....	....	....	....	49 30	52.3	57.4	....	64.4
5 00	57.9	....	54.1	....	20 00	43.6	....	....	....	35 00	49.2	....	....	....	50 00	52.5	57.2	....	64.6
5 30	57.8	....	54.3	....	20 30	43.9	....	....	....	35 30	49.4	....	....	....	50 30	52.6	56.9	....	63.9
6 00	57.4	....	54.4	....	21 00	44.1	....	....	....	36 00	49.4	....	....	58.7	51 00	53.	57.5	....	....
6 30	56.6	....	54.5	....	21 30	44.6	....	....	....	36 30	49.2	....	....	58.9	51 30	53.8	57.4	....	....
7 00	56.6	....	54.6	....	22 00	45.4	....	....	....	37 00	48.9	....	....	59.7	52 00	53.9	59.	....	....
7 30	56.	....	54.5	....	22 30	45.2	....	....	....	37 30	49.	....	....	59.8	52 30	54.	57.6	....	....
8 00	55.	....	54.5	....	23 00	46.3	....	....	....	38 00	....	....	....	59.8	53 00	53.9	57.5	....	....
8 30	54.1	....	54.2	....	23 30	46.9	....	....	....	38 30	....	....	....	59.8	53 30	53.9	57.3	....	....
9 00	53.5	....	54.	....	24 00	47.4	....	....	....	39 00	50.	....	....	59.9	54 00	....	56.9	....	†59.
9 30	53.4	....	54.1	....	24 30	47.7	....	....	....	39 30	49.9	....	....	59.9	54 30	....	56.3	....	58.8
10 00	51.5	....	..	....	25 00	47.4	....	....	....	40 00	50.	65.	....	60.	55 00	....	55.8	....	58.7
10 30	51.4	....	....	....	25 30	47.5	....	....	....	40 30	50.	64.8	....	60.	55 30	....	55.1	....	58.8
11 00	50.8	....	....	....	26 00	47.8	....	....	....	41 00	49.5	64.9	....	60.	56 00	....	54.6	....	58.9
11 30	50.7	....	....	....	26 30	48.3	....	....	....	41 30	49.3	64.6	....	59.9	56 30	....	54.6	....	58.7
12 00	50.4	....	....	....	27 00	48.8	....	....	....	42 00	....	64.3	....	60.	57 00	....	54.7	....	58.6
12 30	49.7	....	....	....	27 30	49.	....	....	....	42 30	....	63.1	....	59.9	57 30	....	54.3	....	58.7
13 00	49.2	....	....	....	28 00	48.9	....	....	....	43 00	....	63.1	....	59.8	58 00	....	53.8	....	58.6
13 30	48.5	....	....	....	28 30	49.2	....	....	....	43 30	....	63.1	....	59.7	58 30	....	53.1	....	58.2
14 00	47.9	....	....	....	29 00	49.2	....	....	....	44 00	....	62.6	....	61.3	59 00	....	53.	....	58.1
14 30	48.	....	....	....	29 30	49.2	....	....	....	44 30	....	62.3	....	62.5	59 30	....	52.9	....	58.3

For ratio of scales at the college building to observatory, see general notes. * 78°.4 Fahrenheit. † 78°.8 Fahrenheit.

Göttingen time	m. 0	m. 6	m. 12	m. 18	m. 24	m. 30	m. 36	m. 42	m. 48	m. 54
h.										
2	568.6	569.1	568.1	569.	569.7	568.9	571.1	575.9	574.6	577.9
3	578.	576.4	576.1	574.9	571.7	595.4	604.6	592.3	579.3	574.
4	569.3	566.	562.6	561.8	564.1	566.2	567.8	569.6	570.1	569.
5	570.9	570.7	.....	.....	.....	.....	.....	.....	.....	.....

HORIZONTAL FORCE MAGNETOMETER.

Göttingen time	m. 2	m. 8	m. 14	m. 20	m. 26	m. 32	m. 38	m. 44	m. 50	m. 56
h.										
3	1010.2	1007.7	996.6	998.7	995.3	968.4	947.	[6]938.9	944.4	942.5
4	[1]941.	938.6	941.6	948.4	953.2	957.8	[4]961.1	961.4	958.8	[2]960.1

VERTICAL FORCE MAGNETOMETER.

Göttingen time	m. 4	m. 10	m. 16	m. 22	m. 28	m. 34	m. 40	m. 46	m. 52	m. 58
h.										
3	.....	803.9	804.	804.2	806.5	[3]808.7	805.7	812.	811.2	810.9
4	[2]810.8	810.9	810.2	809.1	807.8	806.4	[5]805.1	801.6	803 8	[6]803.7

[1] 77° Fah. [2] 76°.5 Fah. [3] 77°.6 Fah. [4] 76°.6 Fah. [5] 77°.3 Fah. [6] 77.°2 Fah.

ime	m. 0	m. 2	m. 6	m. 8	m. 12	m. 14	m. 18	m. 20	m. 24	m. 26
A.										
1	.....	.....	519.	.....	552.9	.....	556.9	.....	557.4	.....
2	545.9	.....	546.4	.....	554.6	.....	.....	.....	542.7	550.2
3	548.9	547.7	549 8	549.5	551.4	551.9	549.8	.....	546.8	.....
4	546.1	.....	547.8	.....	548.2	.....	548 4	.....	549.3	.....
5	539 3	.....	539.2	.....	541.1	.....	547.8	.....	527.1	.....
6	541.2	.....	541.2	.....	541.	.....	543.9	.....	544.2	.....
7	544.2	.. ..	545.	.....	546.8	.....	545.4	.....	544.2	.....
8	546.6	.....	542.9	.....	544.6	.....	545.5	.....	546.3	.....
9	537.2	.....	537 9	.....	538.2	.....	539 4	.....	543 1	.....
10	546.	.....	547.1	.....	547.	.....	546 6	.....	547.8	.....

Göttingen time	m. 30	m. 32	m. 36	m. 38	m. 42	m. 44	m. 48	m. 50	m. 54	m. 56
A.										
1	565.1	.....	571.2	....	565.2	.....	562.	.....	555.7	.....
2	563.1	563.9	566.4	565.7	560.1	550.4	557.3	558.1	550.	553.2
3	543.8	.....	541.3	.....	544.2	.....	541.	.....	544.9	.....
4	542.4	.....	547 4	.....	543.5	.....	544.9	.....	545.6	.....
5	528.1	.....	538.3	.....	541.6	.....	541.1	.....	541.2	.....
6	547.	.....	546.4	.....	546.5	.....	546.6	.....	545.1	.....
7	545.	.....	544.6	.....	545.5	.....	545.7	.....	547.7	.....
8	546.9	.....	546.	.....	544.5	.....	541.1	.....	538.	.....
9	543.	.....	543.3	.....	542.8	.....	543.9	.....	545.2	.....

Göttingen time..	*m.* 2	Therm., Fah.	*m.* 8	*m.* 14	*m.* 20	*m.* 26	*m.* 32	Therm., Fah.	*m.* 38	*m.* 44	*m.* 50	*m.* 56
h.												
21.....	965.2	79.5	961.1	957.	964.7	953.4	954.4	79.9	914.3	943.5	943.7	916.
22.....	923.	79.8	950.	963.7	966.5	968.6	962.4	80.2	957.2	955.7	945.9	943.6
0.....	944.7	80.4	951.3	953.3	960.	944.1	955.1	80.6	.....	949.5	961.4	964.7
1.....	1018.8	81.	1026.5	1032.1	1029.	1026.	1025.3	81.	1015.7	1022.6	1030.2	1031.
2.....	1041.9	81.	1047.4	999.9	1020.	.....	.....	....	.....	.....	.....	.....
2.....	*1020.	80.9	1034.4	1046.7	1040.7	1026.4	1014.9	80.9	1017.	1009.9	999.6	990.
2.....	992.9	....	996.	996.7	†996.	993.	991.	....	990.5	992.5	994.1	‡996.
3.....	.....	....	.....	.....	‡982.4	979.5	986.2	....	990.5	983.8	989.	997.2
4.....	999.	80.6	999.	1000.9	1004.3	998.5	988.2	80.4	983.5	980.6	959.8	951.2
5.....	959.1	80.2	964.3	964.2	961.8	966.3	950.	80.	932.9	928.4	931.4	939.5
6.....	945.7	79.7	951.8	958.2	954.8	963.6	964.7	79.5	966.4	965.1	967.1	974.8
7.....	970.3	79.3	970.4	969.4	968.5	967.2	961.5	79.	966.3	967.2	980.5	975.9
8.....	975.7	78.9	975.	971.5	969.9	968.9	969.	78.7	973.7	974.1	977.3	975.2
9.....	973.6	78.4	974.7	973.2	974.7	970.6	971.6	78.2	970.2	970.4	970.4	968.
10.....	967.5	78.	968.	970.7	973.2	972.7	.....	77.9	.....	.....	.....	.....

At 2*h*. 2*m*., Göttingen time, there were streamers of 35 degrees in length; bright light in north.

* Means of vibrations, observations 2*m*. 15*s*. apart, commencing at 2*m*. 20*s*., Göttingen time.

† 80°.8 Fahrenheit.

‡ Observations taken at times noted at the heads of the columns.

Göttingen time..	m. 4	Therm., Fah.	m. 10	m. 16	m. 22	m. 28	m. 34	Therm., Fah.	m. 40	m. 46	m. 52	m. 58
h.												
1.....	.....	81.1	852.9	851.9	854.4	855.7	856.2	81.1	858.7	859.2	859.	858.4
2.....	857.	81.1	858.2	869.5	875.2	877.3	870.2	81.1	869.9	868.9	865.9	865.8
3.....	865.3	81.2	865.1	865.	865.6	866.	865.9	81.	865.7	865.9	866.2	865.9
4.....	866.	80.9	866.3	866 8	867.	869.	871.1	80.8	872.1	873.4	874.2	874.9
5.....	874.3	80.5	873.2	870 9	871.1	871.6	872.8	80.5	870.	875.5	875.8	875.5
6.....	875.1	80.3	873.9	873.	872 5	872.	870.8	80.1	870.	869.8	868.8	867.9
7.....	866.9	79.9	867.1	867.	866.	865.5	864.9	79.7	864.9	863.3	863.1	862.2
8.....	861.6	79.5	861.3	861.	860.7	860.3	860.1	79.5	860.2	859.9	859.7	859.
9.....	859.6	79.2	859.2	860.3	861.6	862.2	862.1	....	861.6	861.	860.9	860.2
10.....	860.	79.	859.6	859.	858.3	857.3	.....	78.8	.....	.....	.....	.....

Gottingen time	m. 0	m. 6	m. 12	m. 18	m. 24	m. 30	m. 36	m. 42	m. 48	m. 54
h.										
18	515.	516.3	518.5	519.6	519.2	520.	521.1	522.9	524.2	525.4
19	527.4	527.5	527.9	528.9	530.8	531.1	530.9	529.5	529.9	528.9
20	528.8	528.7	528.	527.6	526.8	526 9	525.	522.4	524.	525.2
21	525.9	528.3	530.4	532.3	533.2	534.1	534 9	534.4	534.1	534.2
22	533.5	533.9	534.5	535.	535.2	536.4	537.6	536.9	535 8	536.1
23	536.3	536.1	536.7	536.6	536.5	.....	.....	.....	.....	.....
2	.....	.....	.....	.....	551.5	552.1	558.7	567.6	570 4	567.4
3	560.3	556.1	553.9	552.9	550.1	549.	548.3	518.3	548.1	544.7
22*	517.6	550.	550.8	548.4	547.3	545.3	544.3	542.2	534.8	538.
23	535.3	535.8	537.9	537.6	536.2	535.5	536.6	535.4	535.	534.3
0	532.7	532.5	531.9	531.9	533.5	534.7	535.2	535.	534.9	534.8
1	533.9	534.1	534.1	535.4	536 8	537.	536.4	537.9	540.8	539.4
2	535.6	534.	534.2	536.2	537.9	538.4	536.4	535.9	535.8	535.7
3	536.5	536.4	535.4	536.2	535.9	535.4	535.8	535.4	535.	535.

* September 2.

Mean time..	m. 2	Therm., Fah.	m. 8	m. 14	m. 20	m. 26	m. 32	Therm., Fah.	m. 38	m. 44	m. 50	m. 56
5	.....	....	.....	.....	.....	.....	.....	79.7	986.	985.9	983.5	984.
6	983.5	79.4	984.6	988.	988.8	986.2	986.7	78.8	982.6	979.9	982.4	984.7
7	987.2	....	954.	932.9	933.1	940.3	957.8	77.8	962.	967.5	968.2	970.9
8	974.	77.5	977.6	976.	977.3	974.7	975.2	76.8	973.5	974.9	976.9	974.7
9	976.5	76.3	975.7	975.2	976.4	979.9	981.4	....	979.9	979.4	978.6	979.
10	975.	75.4	973.1	968.6	968.7	970.8	970.2	75.1	969.4	968.1	967.3	965.4
11	963.2	74.8	962.5	963.6	961.9	960.2	959.7	74.5	959.7	959.8	960.5	960.9
12	959.7	74.2	960.2	959.9	959.9	959.7	960.	74.	959.5	961.3	961.9	960.
13	958.1	74.	959.4	962.3	962.5	964.5	967.6	74.2	969.9	.....	.....	.....
*3	984.7	87.8	981.9	983.4	986.1	991.3	994.7	86.3	995.6	999.2	1005.3	1002.8
4	1001.2	86.	998.2	997.8	1000.9	999.7	997.8	85.7	992.1	991.5	989.7	987.1
5	985.9	85.4	983.2	984.	983.5	982.9	.....	85.	.....	.....	.....	.....

* July 27.

Göttingen time.	m. 4	Therm., Fah.	m. 10	m. 16	m. 22	m. 28	m. 34	Therm., Fah.	m. 40	m. 46	m. 52	m. 58
h.												
22	835.8	83.8	836.6	836.6	837.7	838.7	840.3	84.2	842.	844.	846.2	847.9
23	848.9	84.7	851.3	853.2	854.1	855.9	857.	84.7	858.6	860.4	861.7	863.
0	863.8	84.8	864.8	866.	867.	868.4	869.	....	869.7	870.7	871.4	873.1
1	873.	84.8	873.8	874.6	875.	875.5	875.9	84.8	875.9	876.1	876.6	877.
2	877.3	84.7	877.7	878.	878.2	878.2	878.9	94.5	879.	879.3	879.2	879.6
3	879.8	84.3	879.7	879.9	879.7	879.4	879.9	....	880.	879.9	879.7	879.8
4	879.8	84.	879.9	879.8	879.8	879.4	879.4	83.9	879.	879.	878.8	878.7
5	878.7	83 6	878.8	878.9	878.8	878 7	878.7	83.4	878.7	878.4	878.	877.8
6	877.5	83.	877.3	877.1	877.	876.5	876.3	82.7	876.	875.1	875.	875.
7	874.2	82.2	873.8	873.8	873.	872.5	872.2	82.	872.	871.7	871.2	871.
8	870.1	81.8	870.8	869.5	869.5	.....	868.5	81.4	868.	868.	868.	869.
9	870.7	81.	871.6	872.9	874.8	875.7	877.2	....	878.	878.7	879.1	879.
10	879.9	....	880.	880.7	880.	880.	880.	80.1	879.1	879.	878.8	877.8
11	877.7	79.7	877.6	877.	876.5	876.7	876.7	79.5	876.	875.4	876.2	875.
12	874.9	79.1	876.1	875.7	873.9	873.8	873.1	78.8	871.2	868.2	867.1	868.
13	867.6	78.6	866.2	865.1	865.3	867.4	866.9	....	865.	862.9	861.6	859.7
14	858.1	78.6	856.9	856.2	854.2	852.9	851.8	78.7	851.	850.1	849.2	849.6
15	848.6	79.	847.3	846.3	845.5	844.	842.8	....	841.7	840.7	839.5	838.7
16	837.8	79.4	836.9	836.1	835.1	833.8	832.9	79.6	832.2	831.8	830.9	830.5
17	830.3	80.1	829.7	828.5	827.8	826.9	826.	80.5	825.8	825.3	825.2	824.
18	823.1	80.8	822.8	822.3	822.	821.8	822.	81.	821.3	821.	820.6	820.1

Göttingen time..	m. 4	Therm., Fah.	m. 10	m. 16	m. 22	m. 28	m. 34	Therm., Fah.	m. 40	m. 46	m. 52	m. 58
h.												
19.....*	820.	81.4	819.5	819.	818.7	818.9	818.2	82.	818.5	818.1	818.1	817.4
20.....	817.5	82.1	817.7	817.9	817.9	818 1	818.	82.2	817.7	.....	818.5	818.6
21.....	818 9	82.5	819.3	820.1	820.3	820.6	821.1	82.9	822.2	822.7	822.9	823.
22.....	824.	83.2	824.5	824.1	824.1	824.	.....	83.3	826.2	.....	828.	828.6
23.....	829.2	83.5	832.	835.7	838.4	840.8	842.1	83.7	843.7	846.	847.2	848.
0.....	849.8	83.8	850.3	850.4	850.	850.	849.	83.8	848.9	849.	849.3	850.
1.....	850.4	83.6	850.5	851.5	852.9	854.2	853.8	83.4	852.8	852.4	853.	853.4
2.....	853.9	83.1	854.5	856.	857.9	859.3	860.5	82.9	861.1	861.8	862.2	864.
3.....	864.9	82.5	865.9	866.	864.2	865.5	866.1	82.1	868.5	870.	870.2	871.1
4.....	871.1	81.6	870.1	868.8	866.4	864.6	863.3	81.2	862.3	861.1	860.	858.9
5.....	857.9	80.9	856.9	856.	855.2	854.8	854.2	80.3	853.8	853.2	852.8	852.1
6.....	851.5	79.9	851.	850.1	849.5	851.	848.7	79.5	848.4	848.	848.2	846.8
7.....	846.8	....	848.7	850.9	851.8	851.3	850.1	78.5	848.6	846.6	844.6	842.2
8.....	840.3	78.1	838.6	837.	836.	834.1	.....	77.7	832.0	831.9	831.	830.2
9.....	828.9	....	828.	.....	827.1	826.8	826.	....	824.2	823.	822.1	821.9
10.....	821.1	76.3	821.	820.	820.	818.9	818.	76.1	816.7	816.5	816.	815.7
11.....	815.	75.8	814.4	813.9	813.2	812.8	812.	75.5	811.2	810.9	810.	809.2
12.....	808 6	75.2	808.	807.3	806.4	806.	805.	75.	803.6	802.8	802.7	802.1
13.....	801.9	75.	801.3	801.	800.8	800.5	800.1	75.	799.9	798.5	798.3	799.
*3.....	907.6	86.3	907.9	908.5	909.	908.8	908.	86.2	907.	906.9	906.	905.6
4.....	905.	85.9	903.8	904.	903.2	902.5	901.8	85.7	901.4	901.	900.8	900.2
5.....	899.9	85.5	899.9	899.5	899.3	899.3	.....	....	.....	.....	.....	.....

* July 27.

G. T.	h. 13	h. 14	h. 15	h. 16	G. T.	h. 13	h. 14	h. 15	h. 16	G. T.	h. 13	h. 14	h. 15	h. 16	G. T.	h. 13	h. 14	h. 15	h. 16
m. s.					m. s.					m. s.					m. s.				
0 00	....	....	52.8	....	15 00	46.5	....	....	....	30 00	49.	....	....	....	45 00	50.8	61.6	....	62.6
0 30	....	....	52.9	....	15 30	46.3	....	....	....	30 30	49.1	....	....	....	45 30	50.7	60.8	....	62.6
1 00	....	....	52.9	....	16 00	47.6	....	....	....	31 00	49.7	....	....	....	46 00	50.4	60.3	....	62.6
1 30	....	....	53.5	....	16 30	47.7	....	....	....	31 30	49.4	....	....	....	46 30	50.6	59.6	....	62.7
2 00	57.5	....	53.8	....	17 00	47.8	....	....	....	32 00	49.3	....	....	....	47 00	51.1	59.2	....	62.7
2 30	57.6	....	54.6	....	17 30	46.9	....	....	....	32 30	49.4	....	....	....	47 30	51.4	57.4	....	62.8
3 00	57.6	....	54.4	....	18 00	46.8	....	....	....	33 00	49.6	....	....	....	48 00	51.7	57.	....	63.1
3 30	57.7	....	54.7	....	18 30	46.3	....	....	....	33 30	49.6	....	....	....	48 30	51.7	57.2	....	63.7
4 00	57.5	....	54.7	....	19 00	45.4	....	....	....	34 00	*49.4	....	....	....	49 00	52.	56.8	....	64.
4 30	57.5	....	54.5	....	19 30	44.8	....	....	....	34 30	....	....	....	....	49 30	52.3	57.4	....	64.4
5 00	57.9	....	54.1	....	20 00	43.6	....	....	....	35 00	49.2	....	....	....	50 00	52.5	57.2	....	64.6
5 30	57.8	....	54.3	....	20 30	43.9	....	....	....	35 30	49.4	....	....	....	50 30	52.6	56.9	....	63.9
6 00	57.4	....	54.4	....	21 00	44.1	....	....	....	36 00	49.4	....	....	58.7	51 00	53.	57.5	....	....
6 30	56.6	....	54.5	....	21 30	44.6	....	....	....	36 30	49.2	....	....	58.9	51 30	53.8	57.4	....	....
7 00	56.6	....	54.6	....	22 00	45.4	....	....	....	37 00	48.9	....	....	59.7	52 00	53.9	59.	....	....
7 30	56.	....	54.5	....	22 30	45.2	....	....	....	37 30	49.	....	....	59.8	52 30	54.	57.6	....	....
8 00	55.	....	54.5	....	23 00	46.3	....	....	....	38 00	....	....	....	59.8	53 00	53.9	57.5	....	....
8 30	54.1	....	54.2	....	23 30	46.9	....	....	....	38 30	....	....	....	59.8	53 30	53.9	57.3	....	....
9 00	53.5	....	54.	....	24 00	47.4	....	....	....	39 00	50.	....	....	59.9	54 00	....	56.9	....	†59.
9 30	53.4	....	54.1	....	24 30	47.7	....	....	....	39 30	49.9	....	....	59.9	54 30	....	56.3	....	58.8
10 00	51.5	....	....	....	25 00	47.4	....	....	....	40 00	50.	65.	....	60.	55 00	....	55.8	....	58.7
10 30	51.4	....	....	....	25 30	47.5	....	....	....	40 30	50.	64.8	....	60.	55 30	....	55.1	....	58.8
11 00	50.8	....	....	....	26 00	47.8	....	....	....	41 00	49.5	64.9	....	60.	56 00	....	54.6	....	58.9
11 30	50.7	....	....	....	26 30	48.3	....	....	....	41 30	49.3	64.6	....	59.9	56 30	....	54.6	....	58.7
12 00	50.4	....	....	....	27 00	48.8	....	....	....	42 00	....	64.3	....	60.	57 00	....	54.7	....	58.6
12 30	49.7	....	....	....	27 30	49.	....	....	....	42 30	....	63.1	....	59.9	57 30	....	54.3	....	58.7
13 00	49.2	....	....	....	28 00	48.9	....	....	....	43 00	....	63.1	....	59.8	58 00	....	53.8	....	58.6
13 30	48.5	....	....	....	28 30	49.2	....	....	....	43 30	....	63.1	....	59.7	58 30	....	53.1	....	58.2
14 00	47.9	....	....	....	29 00	49.2	....	....	....	44 00	....	62.6	....	61.3	59 00	....	53.	....	58.1
14 30	48.	....	....	....	29 30	49.2	....	....	....	44 30	....	62.3	....	62.5	59 30	....	52.9	....	58.3

For ratio of scales at the college building to observatory, see general notes. * 78°.4 Fahrenheit. † 78°.8 Fahrenheit.

Göttingen time.....	h. 17	h. 18	h. 19	Göttingen time.....	h. 17	h. 18	h. 19	Göttingen time	h. 17	h. 18	h. 19
m. s.				m. s.				m. s.			
0 00.....	58.2	45.7	....	16 00.....	....	36.4	27.8	38 00.....	....	39.3	....
0 30.....	58.8	....	....	17 00.....	58.9	35.4	28.3	39 00.....	53.9	38.9	....
1 00.....	58.6	46.	37.3	18 00.....	....	35.1	27.6	40 00.....	....	39.9	....
1 30.....	58.3	....	....	19 00.....	59.	35.6	27.3	41 00.....	53.1	40.	....
2 00.....	58.7	45.7	36.6	20 00.....	....	35.7	27.	42 00.....	....	39.5	....
2 30.....	59.	....	....	21 00.....	59.	35.7	27.1	43 00.....	52.5	38.3	....
3 00.....	59.	45.5	36.2	22 00.....	....	36.7	27.6	44 00.....	....	37.6	....
3 30.....	58.7	....	....	23 00.....	58.4	37.4	28.1	45 00.....	51.7	36.4	....
4 00.....	59.1	44.7	35.2	24 00.....	....	37.4	28.7	46 00.....	....	35.5	....
4 30.....	59.2	....	....	25 00.....	57.3	37.6	....	47 00.....	48.7	33.7	....
5 00.....	59.5	44.3	34.	26 00.....	....	38.5	28.1	48 00.....	....	34.9	....
5 30.....	59.4	....	....	27 00.....	56.8	39.2	28.	49 00.....	47.	35.2	....
6 00.....	....	44.7	33.1	28 00.....	....	39.4	28.	50 00.....	....	33.9	....
7 00.....	....	44.2	32.7	29 00.....	56.6	39.9	28.	51 00.....	46.3	33.7	....
8 00.....	....	43.6	31.9	30 00.....	....	40.1	*28.7	52 00.....	....	....	....
9 00.....	....	42.3	30.8	31 00.....	56.6	40.	....	53 00.....	45.	....	....
10 00.....	....	40.7	29.7	32 00.....	....	39.4	....	54 00.....	....	....	....
11 00.....	59.3	38.1	28.7	33 00.....	55.6	39.7	....	55 00.....	44.4	....	....
12 00.....	....	36.9	29.1	34 00.....	....	40.6	....	56 00.....	....	....	....
13 00.....	59.7	36.5	28.3	35 00.....	55.2	39.7	....	57 00.....	45.	....	....
14 00.....	....	36.7	27.6	36 00.....	....	38.8	....	58 00.....	....	....	....
15 00.....	59.2	36.8	28.	37 00.....	55.3	39.	....	59 00.....	46.3	....	....

* 79°.4 Fahrenheit.

Göttingen time	m. 0	m. 6	m. 12	m. 18	m. 24	m. 30	m. 36	m. 42	m. 48	m. 54
h.										
2	568.6	569.1	568.1	569.	569.7	568.9	571.1	575.9	574.6	577.9
3	578.	576.4	576.1	574.9	571.7	595.4	604.6	592.3	579.3	574.
4	569.3	566.	562.6	561.8	564.1	566.2	567.8	569.6	570.1	569.
5	570.9	570.7	.....	.....	.....	.....	.....	.....	.....	.....

HORIZONTAL FORCE MAGNETOMETER.

Göttingen time	m. 2	m. 8	m. 14	m. 20	m. 26	m. 32	m. 38	m. 44	m. 50	m. 56
h.										
3	1010.2	1007.7	996.6	998.7	995.3	968.4	947.	[6]938.9	944.4	942.5
4	[1]941.	938.6	941.6	948.4	953.2	957.8	[4]961.1	961.4	958.8	[2]960.1

VERTICAL FORCE MAGNETOMETER.

Göttingen time	m. 4	m. 10	m. 16	m. 22	m. 28	m. 34	m. 40	m. 46	m. 52	m. 58
h.										
3	.....	803.9	804.	804.2	806.5	[3]808.7	805.7	812.	811.2	810.9
4	[2]810.8	810.9	810.2	809.1	807.8	806.4	[5]805.1	801.6	803 8	[6]803.7

[1] 77° Fah. [2] 76°.5 Fah. [3] 77°.6 Fah. [4] 76°.6 Fah. [5] 77°.3 Fah. [6] 77.°2 Fah.

Göttingen time	m. 0	m. 2	m. 6	m. 8	m. 12	m. 14	m. 18	m. 20	m. 24	m. 26
h.										
1	.....	.....	549.	.....	552.9	.....	556.9	.....	557.4	.....
2	545.9	.....	546.4	.....	554.6	.....	.....	.....	542.7	550.2
3	548.9	547.7	549 8	549.5	551.4	551.9	549.8	.....	546.8	.....
4	546.1	.....	547.8	.....	548.2	.....	548.4	.....	549.3	.....
5	539.3	.....	539.2	.....	541.1	.....	537.8	.....	527.1	.....
6	511.2	.....	541.2	.....	541.	.....	543.9	.....	544.2	.....
7	544.2	.. ..	545.	.....	546.8	.....	545.4	.....	544.2	.....
8	546.6	.....	542.9	.....	544.6	.....	545.5	.....	546.3	.....
9	537.2	.....	537 9	.....	538.2	.....	539.4	.....	543 1	.....
10	546.	.....	547.1	.....	547.	.....	546 6	.....	547.8	.....

Göttingen time	m. 30	m. 32	m. 36	m. 38	m. 42	m. 44	m. 48	m. 50	m. 54	m. 56
h.										
1	565.1	.....	571.2	....	565.2	.....	562.	.....	555.7	.....
2	563.1	563.9	566.4	565.7	560.1	556.4	557.3	558.1	556.	553.2
3	543.8	.....	541.3	.....	544.2	.....	541.	.....	544.9	.....
4	542.4	.....	547.4	.....	543.5	.....	544.9	.....	545.6	.....
5	528.1	.....	538.3	.....	541.6	.....	541.1	.....	541.2	.....
6	547.	.....	546.4	.....	546.5	.....	546.6	.....	545.1	.....
7	545.	.....	544.6	.....	545.5	.....	545.7	.....	547.7	.....
8	546.9	.....	546.	.....	544.5	.....	541.1	.....	538.	.....
9	543.	.....	543.3	.....	542.8	.....	543.9	.....	545.2	.....

Göttingen time..	*m.* 2	Therm., Fah.	*m.* 8	*m.* 14	*m.* 20	*m.* 26	*m.* 32	Therm., Fah.	*m.* 38	*m.* 44	*m.* 50	*m.* 56
h.												
21.....	965.2	79.5	961.1	957.	964.7	953.4	954.4	79.9	914.3	943.5	943.7	916.
22.....	923.	79.8	950.	963.7	966.5	968.6	962.4	80.2	957.2	955.7	945.9	943.6
0.....	944.7	80.4	951.3	953.3	960.	944.1	955.1	80.6	.....	949.5	961.4	964.7
1.....	1018.8	81.	1026.5	1032.1	1029.	1026.	1025.3	81.	1015.7	1022.6	1030.2	1031.
2.....	1041.9	81.	1047.4	999.9	1020.	.....	.....	....	.....	.....	.....	.....
2.....	*1020.	80.9	1034.4	1046.7	1040.7	1026.4	1014.9	80.9	1017.	1009.9	999.6	990.
2.....	992.9	....	996.	996.7	†996.	993.	991.	....	990.5	992.5	994.1	‡996.
3.....	.....	....	.....	.....	‡982.4	979.5	986.2	....	990.5	983.8	989.	997.2
4.....	999.	80.6	999.	1000.9	1004.3	998.5	988.2	80.4	983.5	980.6	959.8	951.2
5.....	959.1	80.2	964.3	964.2	961.8	966.3	950.	80.	932.9	928.4	931.4	939.5
6.....	945.7	79.7	951.8	958.2	954.8	963.6	964.7	79.5	966.4	965.1	967.1	974.8
7.....	970.3	79.3	970.4	969.4	968.5	967.2	961.5	79.	966.3	967.2	980.5	975.9
8.....	975.7	78.9	975.	971.5	969.9	968.9	969.	78.7	973.7	974.1	977.3	975.2
9.....	973.6	78.4	974.7	973.2	974.7	970.6	971.6	78.2	970.2	970.4	970.4	968.
10.....	967.5	78.	968.	970.7	973.2	972.7	.....	77.9	.....	.....	.....	.....

At 2*h*. 2*m*., Göttingen time, there were streamers of 35 degrees in length; bright light in north.

* Means of vibrations, observations 2*m*. 15*s*. apart, commencing at 2*m*. 20*s*., Göttingen time.

† 80°.8 Fahrenheit.

‡ Observations taken at times noted at the heads of the columns.

Göttingen time..	m. 4	Therm., Fah.	m. 10	m. 16	m. 22	m. 28	m. 34	Therm., Fah.	m. 40	m. 46	m. 52	m. 58
h.												
1.....	.....	81.1	852.9	851.9	854.4	855.7	856.2	81.1	858.7	859.2	859.	858.4
2.....	857.	81.1	858.2	869.5	875.2	877.3	870.2	81.1	869.9	868.9	865.9	865.8
3.....	865.3	81.2	865.1	865.	865.6	866.	865.9	81.	865.7	865.9	866.2	865.9
4.....	866.	80.9	866.3	866 8	867.	869.	871.1	80.8	872.1	873.4	874.2	874.9
5.....	874.3	80.5	873.2	870 9	871.1	871.6	872.8	80.5	870.	875.5	875.8	875.5
6.....	875.1	80.3	873.9	873.	872 5	872.	870.8	80.1	870.	869.8	868.8	867.9
7.....	866.9	79.9	867.1	867.	866.	865.5	864.9	79.7	864.9	863.3	863.1	863.2
8.....	861.6	79.5	861.3	861.	860.7	860.3	860.1	79.5	860.2	859.9	859.7	859.
9.....	859.6	79.2	859.2	860.3	861.6	862.2	862.1	....	861.6	861.	860.9	860.2
10.....	860.	79.	859.6	859.	858.3	857.3	.....	78.8	.....	.....	.....	.....

Gottingen time	*m.* 0	*m.* 6	*m.* 12	*m.* 18	*m.* 24	*m.* 30	*m.* 36	*m.* 42	*m.* 48	*m.* 54
h.										
18	515.	516.3	518.5	519.6	519.2	520.	521.1	522.9	524.2	525.4
19	527.4	527.5	527.9	528.9	530.8	531.1	530.9	529.5	529.9	528.9
20	528.8	528.7	528.	527.6	526.8	526 9	525.	522.4	524.	525.2
21	525.9	528.3	530.4	532.3	533.2	534.1	534 9	534.4	534.1	534.2
22	533.5	533.9	534.5	535.	535.2	536.4	537.6	536.9	535 8	536.1
23	536.3	536.1	536.7	536.6	536.5	.....	.....	.....	.....	.....
2	.....	.....	.....	.....	551.5	552.1	558.7	567.6	570 4	567.4
3	560.3	556.1	553.9	552.9	550.1	549.	548.3	548.3	548.1	544.7
22*	517.6	550.	550.8	548.4	547.3	545.3	544.3	542.2	534.8	538.
23	535.3	535.8	537.9	537.6	536.2	535.5	536.6	535.4	535.	534.3
0	532.7	532.5	531.9	531.9	533.5	534.7	535.2	535.	534.9	534.8
1	533.9	534.1	534.1	535.4	536 8	537.	536.4	537.9	540.8	539.4
2	535.6	534.	534.2	536.2	537.9	538.4	536.4	535.9	535.8	535.7
3	536.5	536.4	535.4	536.2	535.9	535.4	535.8	535.4	535.	535.

* September 2.

Göttingen time..	m. 4	Therm., Fah.	m. 10	m. 16	m. 22	m. 28	m. 34	Therm., Fah.	m. 40	m. 46	m. 52	m. 58
h.												
18	863.4	80.	863.9	863.9	863.3	863.2	862.7	80.1	862.5	862.4	862.2	862.1
19	861.4	80.3	860.1	858.3	857.7	857.5	857.2	80.4	857.	856.2	855.5	855.
20	854.9	80.4	854.4	854.	854.3	853.9	854.	80.5	853.8	855.1	856.	857.1
21	857.6	80.7	858.4	858.5	858.3	857.9	857.5	80.7	856.8	856.7	857.3	858.1
22	858.3	80.2	858.3	858 4	858.4	858.3	857.6	80.2	857.6	857.4	857.6	857.
23	858.2	80.	858.3	858.3	858.4	858.3	858.6	79.8	858.6	858.7	858.8	†859.
2	.....	....	.....	.....	854.3	854.6	854.7	77.8	851.9	855.4	855.8	855.8
3	855.7	78.6	855.	854.3	853.8	852.9	852.6	78.5	851.9	850.9	850.2	849.6
22*	832.1	81 2	832.6	833.7	835.3	837.4	837.4	81.4	839.2	841.2	841.3	841.9
23	844.4	81.2	844.8	846.3	847.5	849.4	851.3	82.2	852.4	853.7	855.2	856.3
0	857.5	82.2	858.7	859.9	861.1	862.3	862.1	....	863.8	864.7	865.2	865.8
1	866.7	82.3	867.	868.	868.8	869.	869.2	82.1	869.8	870.4	870.4	870.1
2	870.8	82.	871.2	871.5	872.	872.3	872.7	82.	872.9	873.7	873.9	874.8
3	875.	....	874.8	875.	875.1	875.	875.2	....	875.3	875.7	875.6	875.7

* September 2.

† 79°.5 Fahrenheit.

Göttingen time.....	m. 0	m. 6	m. 12	m. 18	m. 24	m. 30	m. 36	m. 42	m. 48	m. 54
h.										
16.....	526.7	522.5	520.7	522.2	521.8	522.3	522.7	522.4	521.8	523.4
17.....	522.8	522.5	523.4	522.7	523.2	523.6	522.7	522.6	523.	522.8
18.....	522.4	522.1	521.4	522.4	520.8	521.2	522.1	522.3	522.	522.2
19.....	522.	522.	*523.6	523.8	525.7	525.8	526.4	526.9	526.3	525.7
20.....	523.6	524.3	521.7	522.4	522.4	522.	522.6	523.5	524.	524.4
21.....	525.4	526.3	527.6	528.6	530.1	531.2	531.1	530.9	529.8	530.6
22.....	530.6	531.1	531.5	531.5	532.5	532.2	531.8	532.2	532.8	532.6
23.....	532.6	532.9	532.7	533.1	533.	534.3	534.1	534.6	534.7	535.
0.....	535.	535.5	535.8	536.1	536.6	537.8	.....	537.9	538.	537.
1.....	536.3	535.4	537.6	538.6	539.3	540.2	542.9	549.6	550.8	537.3
2.....	552.	558.6	563.1	555.8	551.3	.....	550.3	545.3	545.2	544.7
3.....	543.2	543.	541.7	542.8	541.1	541.1	541.	540.6	539.8	540.
4.....	537.7	535.	536.8	537.	537.1	535.9	535.3	.....	536.	535.2
5.....	536.1	535.7	535.8	535.9	536.2	536 2	535.8	535.4	536.4	536.3
6.....	536.5	535.3	534.7	534.8	534.6	535.6	535.2	.....	534.9	535.
7.....	535.2	535.	534.4	534.2	534.2	.....	535.2	536.2	537.5	535.5
8.....	534.7	535.	533.6	531.7	531.6	530.2	533.	534.1	533.	533.7
9.....	534.8	535.	534.	535.7	536.	536.4	536.4	537.6	537.9	536.7
10.....	540.	539.7	539.2	540.9	543.	542.3	539.8	538.6	536.4	536.2
11.....	537.6	538.5	539.	536.3	534.4	534.9	535.1	537.3	537.5	537.7
12.....	537.1	538.	539.2	540.	540.9	542.6	543.8	543.	542.8	542.
13.....	541.7	541.5	541.4	542.5	542.	542.1	541.5	542.	541.8	540.6
14.....	539.4	540.4	539.6	.....	.....	.....	.....	.....	.....	.....

* One minute late.

Göttingen time..	*m.* 2	Therm., Fah.	*m.* 8	*m.* 14	*m.* 20	*m.* 26	*m.* 32	Therm., Fah.	*m.* 38	*m.* 44	*m.* 50	*m.* 56
h.												
16.....	1014.5	54.5	1014.4	1018.9	1016.5	1011.3	1011.5	54.9	1007.5	1006.9	1007.8	1005.7
17.....	1005.8	55.1	1004.	1003.3	1003.3	1000.4	999.2	55.8	1001.2	996.9	995.	991.
18.....	990.8	56.3	989.2	989.7	991.1	988.7	986.6	56.7	987.5	988.2	990.9	990.9
19.....	991.2	56.9	994.6	994.5	990.	984.4	982.2	57.	976.6	976.7	978.2	979.9
20.....	982.7	57.	983.1	.....	990.3	994.4	995.7	57.2	997.1	995.8	998.4	1003.3
21.....	1004.3	57.7	1003.2	1000.5	995.8	994.4	990.1	57.8	987.9	987.7	985.4	987.8
22.....	986.5	57.4	985.3	985.1	985.7	985.5	981.	57.3	980.9	982.8	983.5	984.4
23.....	984.1	57.1	986.2	984.5	984.3	984.7	983.7	56.9	.....	984.3	.....	984.8
0.....	984.6	56.5	982.1	981.5	980.3	976.9	979.6	56.3	981.	981.8	983.7	983.7
1.....	983.2	56.1	983.9	981.3	983.2	986.6	987.7	55.5	987.7	981.4	976.4	980.2
2.....	979.8	55.4	966.9	964.3	965.2	969.4	968.7	55.1	976.1	980.4	983.6	986.8
3.....	988.1	54.9	987.1	986.2	985.9	987.3	986.	54.4	985.6	985.2	986.6	982.3
4.....	979.9	54.1	980.6	979.7	979.3	977.4	976.9	54.	975.5	974.1	974.9	975.9
5.....	975.4	54.	973.5	973.4	975.1	974.	974.	54.	973.6	974.9	973.2	974.2
6.....	972.6	53.8	973.1	974.	972.6	980.6	971.1	53.8	971.	973.9	973.	972.5
7.....	973.2	53.7	972.2	972.7	971.	972.2	976.	53.5	970.9	970.5	971.4	973.5
8.....	972.	53.2	971.1	970.8	974.6	974.3	973.3	52.5	973.5	966.7	971.3	969.9
9.....	971.2	52.	968.7	965.2	967.3	967.6	967.2	51.5	966.	966.	965.7	967.1
10.....	966.9	51.4	964.4	963.4	966.	963.1	966.6	51.2	964.9	967.3	967.6	967.9
11.....	966.2	51.2	965.1	966.7	968.6	966.6	965.7	51.3	969.	965.8	965.6	965.2
12.....	965.1	51.5	963.5	960.6	962.4	961.2	963.9	51.8	955.6	960.8	961.2	962.5
13.....	960.1	52.2	964.8	964.5	964.	964.3	965.2	52.8	965.4	966.	965.6	965.9
14.....	967.5	53.1	968.	967.	.....	.....	.....	....	.....	.....	.....	.....

Göttingen time..	m. 4	Therm., Fah.	m. 10	m. 16	m. 22	m. 28	m. 34	Therm., Fah.	m. 40	m. 46	m. 52	m. 58
h.												
16.....	670.2	59.3	669.1	669.5	669.4	668.7	668 8	59.6	668.5	668.7	668.8	669.3
17.....	670.5	60.2	672.	672.5	673.4	674.9	†675.4	60.8	676.7	677.6	678.7	679.7
18.....	681.	61.2	681.8	682.5	683.4	684.7	685.1	61.2	686.1	686.8	687.6	687.6
19.....	688.7	61.5	689.3	690.1	690.6	690.4	690.9	61.5	690.	689.1	689.1	689.8
20.....	689.9	61.5	690.	689.9	690.2	691.	691.9	61.6	692.4	692.7	693.4	693.8
21.....	695.1	61.8	695.8	696.3	697.3	697.5	697.5	61.8	697.5	697.6	697.8	697.9
22.....	697.8	61.4	698.2	698.4	698.5	698.3	698.	61.2	697.7	697.6	697.3	697.
23.....	696.6	60.9	696.2	695.8	695.6	695.3	694.5	60.6	694.	693.4	692.7	692.2
0.....	692.	60.3	691.1	690.5	690.1	689.	687.9	59.9	687.4	686.6	685.1	684.7
1.....	684.	59.8	683.4	682.7	681.9	680.8	680,3	59.2	680.1	679.	678.4	678.5
2.....	678.1	59.4	677.6	676.7	675.8	675.5	674.5	59.	673.4	672.9	671.9	671.2
3.....	670.2	58.5	669.3	668.4	667.4	666.4	665.	58.3	664.4	663.3	662.3	661.4
4.....	660.5	57.9	659.3	658.4	658.	657.7	656.6	57.9	656.	655.5	655.3	655.1
5.....	654.5	57.7	654.6	654.4	654.3	654.1	653.6	57.6	653.6	653.5	653.6	653.5
6.....	653.1	57.5	653.1	652.7	652.8	652.1	652.3	....	652.3	652.	651.3	651.1
7.....	650.	57.4	650.	649.9	649.7	648.	648.2	57.1	648.2	648.6	646.4	645.8
8.....	645.2	56.1	643.7	642.7	624.3	640.	640.	56.	639.6	639.	638.2	637.4
9.....	635.	55.6	635.5	632.9	632.	630.	630.	55.3	629.6	628.1	627.9	628.
10.....	628.	55.2	626.2	626.	626.	625.5	623.7	55.3	623.	622.3	621.8	621.8
11.....	621.9	55.4	621.3	620.9	620.6	620.9	620.8	55.5	620.7	621.2	620.7	620.7
12.....	621.	55.8	620.6	620.7	620.9	621.6	622.3	56.1	622.9	623.4	623.9	624.2
13.....	624.6	56.7	625.3	625.4	627.	627.5	626.3	57.1	629.2	630.	631.2	632.5
14.....	632.9	57.7	634.5	635.7	636.7	*638.	.....	....	.....	.....	.....	.....

* 58°.1 Fahrenheit.

† One minute late.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

OBSERVATIONS TAKEN IN CONCERT WITH LIEUTENANT LEFROY, R. A., AND THE TORONTO OBSERVATORY, IN 1843.

GENERAL NOTE.

The following observations were taken upon days appointed for them by Lieutenant Lefroy, R. A., during his magnetic tour in the North American possessions of Great Britain.

The values of the scales of the different instruments and the corrections for temperature are as already stated.

Göttingen time.	*h.* 0	*h.* 1	*h.* 2	*h.* 3	*h.* 4	*h.* 5	*h.* 6	*h.* 7	*h.* 8	*h.* 9	*h.* 10	*h.* 11
m.												
0	569.4	563.5	566.2	568.	574.1	579.7	579.8	586.1	571.3	573.2	573.9	580.7
15	569 8	564.6	565.6	563.3	573.1	578.4	570.2	579.7	570.	571.1	575.9	581.9
30	566.7	566.	563.4	566.8	567.1	579.6	577.	574.9	572.9	571.7	577.1	581.5
45	564.1	564.4	567.2	578.5	577.1	585.5	582.3	573.7	572.9	573.5	578.3	581.9

Göttingen time.	*h.* 12	*h.* 13	*h.* 14	*h.* 15	*h.* 16	*h.* 17	*h.* 18	*h.* 19	*h.* 20	*h.* 21	*h.* 22	*h.* 23
m.												
0	580.7	581.8	576.4	572.4	566.2	558.7	555.2	550.	553.4	559.	561.	562.9
15	582.2	579.5	576.1	572.7	564.7	554.2	554.4	552.3	555 3	559.	561.6	563.1
30	582.	582.	577.5	569.3	561.8	554.4	553.9	552.7	557.1	559.1	562.4	563.1
45	582.4	582.8	574.6	567.7	563.6	555.9	551.6	551.5	558.7	559.9	562.9	563.

Göttingen time.	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10	h. 11
Thermometer	86.7	87.2	86.9	86.5	85.8	85.	83.8	82.9	82.	81.4	80.7	79.9
m.												
2.....	951.9	964.8	974.3	974.8	973 5	968.3	972 2	968.7	951.	951.2	946.1	945.1
17.....	956.3	955.8	978.8	979.8	972.9	969.8	972.6	962.5	953.	944.8	944.1	946.
Thermometer	87.	87.2	86.8	86.1	85.4	84.6	83.3	82.5	81.8	81.	80.4	79.9
32.....	960.4	958.4	981.6	*969.5	968.7	972 7	965.5	961.5	951.3	948 1	942.3	939.8
47.....	958.1	965.8	978.7	968.	961.4	972.7	970 3	956.8	950.6	946.3	941.4	943.

Göttingen time.	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer	79.5	79.4	80.	80.8	81.9	83.	84.1	85.3	86.6	87.8	89.1	90.1
m.												
2.....	944.2	946.5	959.3	968.6	982.1	989.2	971.4	984.	970.8	948.8	952.9	961.6
17.....	942.9	950.4	963.4	968.2	982.7	997.7	973.5	950.6	962.3	953.2	952.5	964.2
Thermometer	79.5	79.8	80.4	81.2	82.4	83.6	84.7	86.	87.	88.3	.....	90.6
32.....	944.1	954.2	965.6	974.4	982.1	989.	.....	941.2	959.7	952.5	946.8	961.2
47.....	945.2	957.	968.3	977.1	984.1	980.6	983.	955.6	952.6	955.1	958.7	959.8

* Six minutes late.

Göttingen time.	*h.* 0	*h.* 1	*h.* 2	*h.* 3	*h.* 4	*h.* 5	*h.* 6	*h.* 7	*h.* 8	*h.* 9	*h.* 10	*h.* 11
Thermometer	86.5	86.7	86.7	86.5	85.8	85.3	84.	83.6	82.8	82.2	81.6	80.7
m.												
4.....	882.3	892.1	897.	901.2	903.5	905.4	905.3	897.	887.2	878.7	871.	865.2
19.....	884.7	893.6	897.9	901.3	903.1	906.	902.2	894.5	885.3	875.8	868.6	863.1
Thermometer	86.7	86.8	86.6	.....	85.6	84.7	83.9	83.2	82.5	82.	81.3	80.6
34.....	887.5	895.	898.4	904.3	902.9	906.7	901.3	891.5	882.7	874.1	867.3	861.3
49.....	889.7	895.8	900.1	.....	905.2	906.9	*899.5	888.7	881.1	871.6	866.1	860.

Göttingen time.	*h.* 12	*h.* 13	*h.* 14	*h.* 15	*h.* 16	*h.* 17	*h.* 18	*h.* 19	*h.* 20	*h.* 21	*h.* 22	*h.* 23
Thermometer	80.5	80.2	80.9	81.6	82.7	83.8	85.1	86.4	87.9	88.5	89.3	90.1
m.												
4.....	858.	852.5	850.	850.6	853.5	859.2	867.8	876.9	880.	897.9	910.6	921.4
19.....	856.2	851.4	849.8	851.1	855.1	861.6	869.6	877.7	884.3	901.3	913.1	924.3
Thermometer	80.3	80.5	81.2	82.2	83.3	84.4	85.7	87.1	88.1	89.1	89.8	90.5
34.....	855.1	851.7	850.1	851.7	856.2	863.4	871.	878.4	889.6	903.5	916.3	922.3
49.....	853.4	850.7	849.7	852.4	857.9	865.9	874.	880.4	893.9	908.5	918.6	929.6

* July 1.

Göttingen time.	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10	h. 11
m.												
0	563.2	566.	564.7	580.5	569.7	567.5	573.1	566.5	566.5	568.1	574.	575.
15	563.3	564.5	563.9	587.8	570.7	566.5	573.3	564.6	563.9	568.4	573.8	576.5
30	563.7	568.8	564.1	577.3	569.9	566.2	572.9	.....	561.9	571.	574.5	576.4
45	565.2	565.5	570.	569.8	567.	*565.8	568.3	563.4	567.7	570.8	576.1	578.2

Göttingen time.	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
m.												
0	580.4	576.9	577.5	575.6	570.8	563.8	.....	554.7	556.8	558.6	†....	....
15	577.3	576.6	576.6	572.7	570.2	561.4	556.8	554.8	557.2	559.1	....	....
30	576.5	577.2	575.8	573.9	566.7	559.6	554.7	554.8	557.2	556.9	....	....
45	579.1	578.1	576.1	572.2	565.1	559.8	554.7	554.9	558.	557.7	....	....

* July 3.

† See page 1509.

Göttingen time.	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10	h. 11
Thermometer	91.1	91.4	91.4	90.6	89.7	88.8	82.	81.2	79.6	78.	76.7	75.4
m.												
2.....	951.9	995.3	996.5	968.4	998.3	984.5	950.	957.1	939.9	937.9	935.3	937.
17.....	960.7	999.7	998.2	950.7	990.8	985.1	954.9	949.9	942.7	938.	939.	936.4
Thermometer	91.2	91.8	.....	90.1	89.3	88.5	81.6	80.5	78.9	77.2	76.1	75.
32.....	967.	981.6	993.4	963.1	991.8	981.2	955.6	946.2	942.8	936.3	935.8	936.1
47.....	978.2	990.5	988.8	983.4	993.6	*993.6	955.1	940.2	940.	934.2	935.8	934.4

Göttingen time.	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer	74.5	73.9	73.7	73.5	73.5	73.7	73.6	73.8	74.1	74.5	75.2	75.9
m.												
2.....	932.2	934.1	942.7	953.5	968.1	976.6	970.7	950.1	931.5	916.	913.9	931.3
17.....	932.2	939.8	943.4	959.8	977.3	974.4	962.2	941.4	922.	915.2	927.4	934.1
Thermometer	74.1	73.7	73.6	73.4	73.6	73.6	73.7	73.9	74.2	75.	75.6	76.2
32.....	934.5	943.4	946.8	967.9	974.8	973.8	962.5	939.8	929.1	920.5	926.9	904.4
47.....	932.8	945.9	952.7	966.	980.9	973.1	954.	929.8	923.9	923.3	924.2	933.4

* July 3.

Göttingen time.	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10	h. 11
Thermometer	90.6	90.9	90.5	90.	89.7	89.1	.....	82.1	80.9	79.2	78.2	77.
m.												
4.....	931.3	937.9	943.5	949.	950.4	946.2	901.3	886.4	874.	862.2	844.2	829.3
19.....	933.1	940.1	943.8	953.	948.9	944.8	896.6	882.6	871.3	857.8	840.5	824.8
Thermometer	90.8	90.4	90.4	89.9	89.2	88.7	83.5	.....	80.2	78.8	77.8	76.6
34.....	935.	942.3	944.2	954.2	947.8	944.3	892.9	880.5	868.6	853.6	835.4	821.1
49.....	936.5	942.6	946.6	952.3	946.7	*943.3	889.4	877.3	866.8	848.7	832.4	817.7

Göttingen time.	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer	76.4	75.6	75.3	75.2	75.	75.2	75.1	75.4	75.7	76.	†....	....
m.												
4.....	813.1	802.8	795.5	790.9	786.9	783.	778.7	778.1	778.5	777.1	....	....
19.....	810.5	800.9	794.2	789.1	786.7	782.	778.6	778.3	778.5	776.6	....	....
Thermometer	75.9	75.4	75.3	75.	75.1	75.1	75.2	75.5	75.8	76.2	....	....
34.....	808.3	798.6	793.2	788.3	785.3	781.3	778.5	778.3	778.2	777.1	....	....
49.....	805.	797.6	792.3	787.7	783.9	781.	778.2	778.3	777.7	776.	....	....

* July 3.

† See page 1511.

Göttingen time	*m.* 0	*m.* 6	*m.* 12	*m.* 18	*m.* 24	*m.* 30	*m.* 36	*m.* 42	*m.* 48	*m.* 54
h.										
22	560.8	561.	560.5	558.5	558.8	558.9	559.3	561.5	561.6	562.
23	561.9	563.6	562.3	561.1	562.4	565.4	563.5	560.7	560.1	562.1
0	561.9	566.3	573.7	572.	566.6	566.3	568.5	566.	564.1	563.2
1	564.	565.1	563.8	562.4	563.9	568.8	566.	562.4	563.6	563.3
2	561.9	562.1	561.3	562.5	565.5	568.6	563.5	573.4	569.3	567.4
3	565.1	563.1	564.3	568.4	572.5	572.1	569.5	567.2	566.8	565.8
4	566.5	567.3	567.8	568.	566.6	566.	566.	566.7	566.9	565.
5	561.2	560.	561.8	561.4	562.5	563.1	562.7	563.4	565.9	566.9
6	567.9	566.5	565.8	566.8	567.	566.1	565.1	567.4	567.7	567.3
7	566.9	567.9	567.8	566.4	565.	562.9	560.8	560.	559.6	562.1
8	562.	563.7	563.7	565.1	565.9	564.1	561.8	563.1	562.9	561.7
9	564.	563 5	564.4	564.8	565.5	566.2	566.5	566.7	565.5	566.1
10	567.5	568.2	567.7	568.	567.8	568.1	568.6	568.6	568.8	569.8
11	570.5	569.8	568.5	567.8	571.2	571.5	571.8	573.4	572.3	572.5
12	572.	573.2	572.7	573.8	573.7	571.9	571.4	571.6	570.5	572.4
13	572.3	571.4	572.	570.7	570.4	569.4	568.6	569.4	570.4	569.9
14	570.7	570.8	570.9	570.4	570.7	571.1	571.4	570.8	569.7	569.6
15	569.7	568.7	569.	569.6	568.	567.7	567.	566.	567.	567.3
16	566.8	566.1	566.	565.9	566.3	565.9	565.3	564.3	564.2	564.
17	563.9	563.5	562.7	561.9	560.9	559.8	558.8	558.	557.5	557.1
18	556.7	557.	557.1	557.2	556.9	556.5	555.2	555.	554.9	554.
19	554.	554.1	553.7	554.	554.2	554.	556.	554.1	554.	554.
20	553.	553.7	553.7	553.6	553.1	551.9	551.4	551.4	551.8	553.6
21	555.8	557.3	557.1	556.5	556.4	556.4	555.9	556.	555.9	556.1

Göttingen time.	m. 2	m. 8	m. 14	m. 20	m. 26	Therm., Fah.	m. 32	m. 38	m. 44	m. 50	m. 56	Therm., Fah.
h.												
22	*912.9	913.	925.7	929.2	925.7	75.6	926.9	925.8	924.9	923.5	922.9	75.9
23	931.3	931.2	932.4	935.8	922.3	76.2	904.4	917.5	927.6	939.2	940.8	76.3
0	936.6	933.	932.2	921.2	934.7	76.4	938.3	937.4	944.3	946.2	946.	76.3
1	943.	938.3	941.1	946.	939.3	76.	931.1	933.3	937.	933.6	936.4	75.8
2	937.7	937.	938.2	937.5	939.3	75.6	938.7	930.9	927.3	915.5	912.8	75.1
3	916.1	924.8	932.7	933.1	929.9	74.5	930.3	930.7	933.8	938.1	941.2	74.2
4	945.6	946.8	944.9	944.7	944.	73.8	943.2	942.2	939.7	930.5	927.9	73.4
5	933.2	935.8	937.4	939.4	937.4	73.	934.9	937.4	936.9	932.2	929.5	72.2
6	928.7	930.8	931.5	933.1	933.4	71.8	934.5	935.1	932.1	929.6	931.4	71.2
7	931.	932.8	934.7	932.1	932.6	70.6	935.2	940.5	938.	935.	932.4	70.
8	932.1	930.	927.8	925.7	925.	69.6	925.6	927.2	926.3	927.4	927.4	69.
9	928.1	928.5	929.1	927.8	925.7	68.7	925.5	927.1	924.7	925.2	925.2	68.1
10	925.4	926.	925.8	925.3	923.8	67.7	923.1	923.6	922.7	922.4	923.7	67.2
11	921.8	920.1	919.7	918.9	918.5	66.9	919.	916.	914.8	916.9	920.5	66.8
12	923.4	924.8	926.6	921.6	926.3	66.7	929.	929.8	928.9	929.	928.3	67.
13	927.4	928.8	929.9	930.4	930.5	67.3	929.1	930.5	930.4	931.	932.3	67.8
14	930.6	929.9	930.4	931.4	930.8	67.6	931.5	932.4	933.	933.3	933.5	68.
15	933.9	933.	932.2	935.7	934.9	68.4	936.	936.4	938.1	938.4	937.	68.9
16	937.8	938.3	939.5	941.5	944.5	69.2	947.5	947.7	947.4	948.7	948.7	69.8
17	949.9	950.5	951.2	950.3	949.4	70.2	951.2	953.4	953.5	952.5	953.6	70.7
18	951.5	945.3	944.3	946.4	944.7	71.	944.6	944.8	944.4	943.2	943.8	71.5
19	942.7	940.4	943.	941.2	936.9	72.	937.	935.3	934.1	932.7	933.2	72.5
20	933.5	931.	931.3	932.6	934.9	73.	943.5	947.3	954.5	951.8	943.	73.5
21	931.8	926.	932.7	929.8	924.7	74.	924.1	925.1	926.7	924.	916.1	74.3

* 75°.2 Fahrenheit.

Göttingen time	*m.* 4	*m.* 10	*m.* 16	*m.* 22	*m.* 28	Therm., Fah.	*m.* 34	*m.* 40	*m.* 46	*m.* 52	*m.* 58	Therm., Fah.
h.												
22	*775.	774.9	775.5	776.1	776.4	77.	776.9	777.5	777.5	777.4	777.6	77.2
23	777.9	778.7	779.2	780.	780.	77.2	780.3	781.1	781.9	782.9	783.	77.2
0	784.	784.6	785.3	785 8	786.5	76.9	787.2	787.3	788.	788.6	790.5	76.5
1	791.	790.6	790.7	790.8	791.2	76.2	791.	. . . .	789.7	787.6	787.7	76.
2	787.3	787.4	787.1	787.3	787.2	75.8	786.7	786.9	787.	787.7	788 3	75.5
3	788.7	788.9	789.	788.6	788.7	75.	788.3	787.4	786.6	785.4	784.3	74.8
4	787.6	781.8	781.3	780.2	779.3	74.5	778.3	778.3	777.5	.....	778.3	74.
5	778.3	778.4	778.3	777.4	776.3	73.4	775.5	774.3	774.5	772.5	772.3	73.
6	771.1	769.7	768.2	768.	766.3	72.6	764.4	.....	762.2	761.1	759.9	72.1
7	758.7	757.8	756.5	755.6	754.6	71.6	.....	752.4	751.6	750.3	749.7	71.1
8	748.4	747.1	746.	744.	742.6	....	.....	739.8	737.9	.....	735.1	70.1
9	733.4	731.5	730.3	728.8	727.6	69.7	.....	725.5	.....	722.7	721.7	69.3
10	720.3	719.3	717.6	716.	713.3	69.	712.6	711.8	710.6	709.9	708.9	68.5
11	707.4	705.9	705.5	704.5	703.6	68.3	702.6	701.8	700.7	699.7	699.4	68.2
12	698.8	698.3	697.6	697.1	696.5	68.	696.	696.2	695.3	695.1	694.3	68.1
13	693.7	693.3	692.6	692.5	692.2	68.	692.	692.1	692.2	691.4	691.5	68.4
14	691.2	690.9	691.2	691.3	691.4	68.7	691.8	691.8	692.	692.2	692.9	69.
15	693.	693.9	694.1	694.8	695.5	69.4	696.	696.4	697.6	698.8	699.7	69.8
16	700.1	700.9	701.6	702.	702.8	70.2	703.4	704.	705.1	706.	706.9	70.7
17	707.2	708.	709.3	709.4	709.4	71.	710.2	710.7	711.1	712.3	712.7	71.5
18	713.4	713.7	714.2	715.1	715.9	72.	716.7	717.3	718.7	719.4	720.6	72.5
19	720.8	721.8	722.3	723.	723.4	73.	724.5	725.	725.9	726.2	722 9	73.9
20	711.9	714.7	718 1	721.6	724.9	73.9	728.	730.4	733.1	735.6	736.9	74.
21	737.7	738.4	740.5	741.8	743.3	74.2	744.5	746.3	747.4	748.3	749.2	74.5

* 76°.8 Fahrenheit.

Göttingen time.....	h. 22	h. 23	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10
m.													
0.....	556.2	557.	558.1	558.5	567.6	566.3	565.2	558.3	573.1	568.	564.6	566.4	567.2
15.....	555.4	557.9	557.9	559.8	563.6	569.7	566.5	565.6	570.6	564.9	564.2	565.9	567.4
30.....	556.	560.1	556.6	559.7	559.7	569.5	566.5	569.5	570.8	562.9	566.1	566.4	568.1
45.....	556.3	557.	557.8	569.	561.1	566.8	555.2	573.7	570.9	564.4	564.7	566.7	568.7

Göttingen time.....	h. 11	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
m.													
0.....	569.4	571.2	571.2	571.1	568.7	566.4	564.4	561.7	560.7	560.4	559.3	559.5	561.3
15.....	569.9	570.2	571.6	572.3	568.1	565.9	563.9	561.3	560.9	560.1	558.8	559.	560.7
30.....	570.3	568.6	572.9	571.	567.6	564.9	562.8	561.3	560.7	559.7	558.8	560.	561.3
45.....	571.8	569.3	573.2	570.6	566.8	564.2	562.4	560.5	560.3	559.5	558.5	560.6	561.3

Göttingen time	h. 22	h. 23	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10
Thermometer	74.3	75.1	75.8	75.8	74.9	74.5	73.8	73.3	72.5	71.9	71.7	71.2	71.
m. 2	911.2	917.2	923.7	925.5	943.3	936.7	943.	934.2	940.3	947.8	935.4	932.9	930.5
17	919.1	908.4	931.5	925.8	938.5	930.	945.1	936.2	942.9	945.9	934.6	932.	929.6
Thermometer	74.8	75.3	75.7	75.2	74.7	73.9	73.7	73.	72.2	71.8	71.3	71.	70.8
32	923.9	904.5	935.8	935.1	937.9	941.2	943.2	937.9	948.9	939.6	931.4	931.5	927.6
47	921.	918.5	934.3	945.5	938.7	946.2	934.7	939.7	949.6	937.6	933.9	931.3	929.9

Göttingen time	h. 11	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer	70.7	70.5	70.4	70.4	71.1	72.	73.1	74.3	75.1	75.6	75.9	75.7	75.8
m. 2	930.5	933.1	937.3	949.	957.9	955.2	949.5	939.1	932.2	915.7	912.5	920.6	920.3
17	931.6	934.2	938.5	.....	959.3	954.2	947.2	939.4	929.1	916.6	918.8	921.2	925.8
Thermometer	70.7	70.5	70.5	70.7	71.5	72.6	73.8	74.8	75.3	75.8	75.9	75.8	76.
32	931.	938.5	941.1	952.6	959.5	952.4	944.8	934.1	925.8	917.4	918.3	922.1	937.9
47	931.7	938.2	943.1	957.6	957.6	952.9	942.4	936.1	923.3	913.7	923.5	920.3	939.8

Göttingen time													
Thermometer													
m.													
4.													
19.													
Thermometer													
34.													
49.													

Göttingen time													
Thermometer													
m.													
4.													
19.													
Thermometer													
34.													
49.													

Göttingen time...	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10	h. 11
m.												
0.....	561.9	561.8	560.3	562.5	563.2	564.1	564.4	562.6	567.4	563.6	568.	569.
15.....	562.	561.	561.5	561.8	563.4	563.7	564.2	563.5	566.2	564.3	567.4	568.3
30.....	562.1	561.1	561.9	563.8	563.6	564.3	564.3	564.5	565.1	566.8	567.7	569.7
45.....	562.	561.3	562.	563.4	563.8	564.3	564.4	566.4	563.4	567.9	568.	569.5

Göttingen time...	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
m.												
0.....	571.4	571.2	570.4	567.7	565.4	561.4	558.7	556.4	556.7	556.6	557.9	559.1
15.....	570.2	571.4	569.5	567.3	564.8	560.4	557.8	556.6	556.5	556.4	558.4	559.7
30.....	570.6	571.1	571.2	566.2	564.4	559.3	557.3	556.5	556.3	556.2	558.6	560.7
45.....	571.7	570.2	569.6	565.9	562.5	558.7	556.9	556.6	556.7	557.3	558.8	561.4

Göttingen time...	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10	h. 11
Thermometer..	76.1	75.7	75.6	75.5	75.	74.6	74.	73.	72.1	71.2	70.	69.1
m.												
2.....	940.5	936.1	941.9	939.	938.3	936.4	935.1	926.5	926.8	927.4	928.3	922.1
17.....	941.2	939.	939.9	939.8	937.4	936.2	931.5	927.7	931.4	928.6	929.1	921.2
Thermometer..	76.1	75.6	75.4	75.2	74.8	74.4	73.5	72.6	71.8	70.6	69.8	68.8
32.....	938.7	941.2	940.1	938.4	937.5	935.1	932.8	930.9	931.9	928.	927.9	920.5
47.....	940.6	937.5	938.9	937.1	937.	935.1	933.3	927.5	927.	928.6	922.	918.8

Göttingen time...	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer..	68.4	67.9	67.9	68.3	68.7	69.4	70.1	71.1	72.	73.1	74.6	75.9
m.												
2.....	917.6	918.2	926.	933.	929.8	933.5	936.	941.4	933.4	924.2	917.8	929.7
17.....	917.2	919.8	927.	933.4	931.3	934.	939.	938.9	931.4	922.2	919.7	929.7
Thermometer..	68.1	67.8	68.	68.5	69.1	69.8	70.6	71.4	72.5	73.7	75.4	76.4
32.....	917.3	922.2	928.3	933.	931.4	935.2	940.	936.5	929.2	922.	921.1	928.6
47.....	916.5	923.2	933.3	930.5	933.5	935.3	938.3	935.4	922.7	920.2	925.4	927.2

Göttingen time...	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10	h. 11
Thermometer..	75.8	75.9	75.9	75.7	75.4	75.	74.6	73.8	73.	72.	71.	69.2
m.												
4.....	778.7	778.9	778.8	778.9	777.4	775.5	772.4	767.9	761.8	753.6	741.4	729.
19.....	778.5	778.7	778.7	778.3	776.9	774.8	771.5	767.3	759.6	750.5	738.1	726.
Thermometer..	75.6	75.9	75.9	75.5	75.2	74.9	74.1	73.3	72.5	71.4	70.5	69.9
34.....	778.6	778.9	778.8	778.2	776.6	774.1	770.5	765.8	756.7	747.5	735.3	722.9
49.....	779.	778.7	778.8	778.	776.2	773.4	769.1	763.7	755.4	744.5	732.1	720.4

Göttingen time...	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer..	69.6	69.1	69.	69.3	69.7	70.4	71.2	....	72.7	73.7	74.8	75.7
m.												
4.....	717.3	708.2	701.9	700.	702.6	706.2	708.5	714.	722.5	732.4	742.9	755.6
19.....	714.8	706.1	701.2	700.4	702.8	707.3	710.2	716.	724.5	735.3	745.8	758.6
Thermometer..	69.3	69.	69.1	69.4	70.	70.7	71.4	72.5	73.2	....	75.3	76.1
34.....	712.5	704.1	700.8	701.1	703.7	707.6	711.3	717.6	727.4	737.5	748.7	762.2
49.....	710.3	702.7	699.9	702.4	705.1	707.7	712.4	720.4	729.8	740.5	752.3	765.1

Göttingen time...	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10	h. 11
m.												
0.....	561.2	559.2	561.4	563.6	563.3	563.2	563.5	564.	565.5	565.7	568.4	570.3
15.....	562.1	561.	561.5	565.8	563.4	564.1	566.1	564.	565.4	566.4	567.9	569 8
30.....	560.8	561.3	561.7	564.6	563.4	563.3	563.5	564.7	566.5	566.7	568.3	570.2
45.....	561.7	561.	563.	564.9	563.3	563.8	564.2	565.7	.....	566.8	569.2	571.6

Göttingen time...	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
m.												
0.....	571.6	573.5	573.4	568.1	563.2	559.2	554.9	554.	554.1	553.2	*....	....
15.....	572.5	572.6	573.1	566.6	561.8	558.3	554.	553.9	552.2	554.1	....	....
30.....	573.6	571.9	571.2	566.3	559.1	557.2	554.1	553.5	552.9	551.6	....	....
45.....	573.1	572.1	568.8	564.9	560.	555.4	554.7	553.8	554.1	551.6	....	....

* See page 1521.

Göttingen time...	*h.* 0	*h.* 1	*h.* 2	*h.* 3	*h.* 4	*h.* 5	*h.* 6	*h.* 7	*h.* 8	*h.* 9	*h.* 10	*h.* 11
Thermometer..	76.9	77.3	77.	76 7	75.9	75.1	74.3	73.4	72.7	71.9	71.2	70.6
m.												
2.....	931.5	935.3	934.3	930.2	939.8	936.6	935.3	936.2	936.8	933.9	931.1	930.
17.....	932.4	936.6	935.5	930.7	940.9	938.3	937.4	935.3	937.7	933.3	932.1	929.5
Thermometer..	77.2	77.2	76.9	76.2	75.3	74.7	73.9	73.	72.1	71.5	70.9	70.2
32.....	936.4	937.6	935.9	934.9	940.1	938.8	940.6	936.	937.1	931.4	930.8	929.8
47.....	936.4	935.8	928.9	938.2	939.5	939.	938.6	935.8	936.2	932.1	931.2	928.2

Göttingen time...	*h.* 12	*h.* 13	*h.* 14	*h.* 15	*h.* 16	*h.* 17	*h.* 18	*h.* 19	*h.* 20	*h.* 21	*h.* 22	*h.* 23
Thermometer..	69.9	69.7	69.9	70.2	70.8	70.7	72.9	74.1	75.5	76.8	*....	....
m.												
2.....	928.3	931.	934.9	944.	934.3	929.9	926.8	932.7	939.8	941.6	....	....
17.....	927.4	930.6	936.8	943.6	931.2	929.3	926.7	929.	946.1	937.4	....	....
Thermometer..	69.7	69.7	70.	70.4	71.3	72.2	73.5	74.9	76.1	77.4	....	....
32.....	928 6	933.3	942.6	941.4	930.5	926.5	924.	934.9	939.2	944.4	....	....
47.....	929.3	937.8	944.2	936.6	928.5	927.7	926.7	932.7	925.8	943.6	....	....

* See page 1522.

Göttingen time	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10	h. 11
Thermometer	76.3	76.6	76.5	76.2	75.6	75.1	74 4	73.8	73.1	72.3	71.9	71.3
m.												
4	768.2	778.4	783.1	786.1	784.	780.7	773.4	768.9	761.4	753.9	746.7	739.3
19	770.9	780.5	783.9	786.1	783.1	779.5	774.2	767.1	759.4	752.5	744.8	737.4
Thermometer	76.4	76.5	76.4	76.	75.4	74.7	74.1	....	72.8	72.1	71.6	71.1
34	773.5	781.5	785.	785.9	782.5	778.1	772.9	765.8	757.3	750.3	742.7	735.8
49	776.4	782.3	785.8	785.2	781.6	776.8	771.3	....	755.8	748.7	740.9	734.1

Göttingen time	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer	70.9	70.7	70.8	71.	71.7	72.3	73.5	74.7	75.8	77.	*....	....
m.												
4	732.	725.9	723.3	723.7	729.2	735.8	741.5	750.2	760.2	767.9	.....	.....
19	730.6	725.1	723.1	725.1	731.3	737.2	742.6	752.6	762.1	771.	.....	.....
Thermometer	70.8	70.6	70.9	71.3	71.9	72.8	74.2	....	76.4	77.3	....	....
34	728.7	724.	722.7	726.3	732.6	738.3	744.6	755.9	763.1	774.8	.....	.....
49	727.1	723.9	723.5	727.6	734.1	740.2	746.9	757.6	765.6	776.9	.....	.....

* See page 1523.

Göttingen time	m. 0	m. 6	m. 12	m. 18	m. 24	m. 30	m. 36	m. 42	m. 48	m. 54
h.										
22	552.6	552.7	554.1	554.3	553.4	553.3	554.5	556.6	558.3	560.2
23	559.7	559.6	560.5	559.7	559.6	557.7	558.8	551.6	550.6	549.7
0	548.3	549.8	551.4	551.7	552.	552.9	553.5	555.4	555.6	554.
1	550.8	549.8	549.9	548.1	551.1	554.3	553.9	555.2	553.8	554.4
2	560.3	563.1	562.6	565.5	565.7	571.7	579.1	584.9	585.1	580.9
3	578.7	577.4	574.	570.3	568.	568.5	567.1	568.3	568.5	568.4
4	568.7	569.5	568.1	567.3	566.3	565.2	567.	568.4	567.7	567.3
5	568.9	572.4	578.1	580.5	589.2	594.5	595.	591.	582.6	577.8
6	574.	568.7	567.5	568.8	570.6	573.	576.1	577.2	580.4	576.9
7	574.3	576.4	575.6	575.1	574.3	574.	576.6	579.5	580.9	581.8
8	581.9	580.	578.8	576.8	574.2	573.4	573.1	572.7	569.7	567.8
9	563.3	559.2	558.5	560.2	565.2	564.5	563.6	565.	567.1	569.1
10	567.2	570.9	571.9	574.1	572.5	570.5	573.8	571.1	571.4	571.5
11	572.5	573.	573.	574.4	572.5	573.2	573.8	573.3	575.6	576.2
12	575.8	573.8	580.7	579.6	579.7	582.	582.1	578.7	580.9	579.2
13	580.	580.	581.1	581.7	582.3	581.9	580.9	580.8	582.	580.5
14	578.3	578.4	577.	573.6	572.7	574.1	575.1	575.5	575.4	575.3
15	576.	574.5	572.7	570.1	569.9	568.	566.4	564.3	562.4	562.9
16	562.9	563.9	564.1	561.7	558.3	557.6	557.5	556.	555.7	554.7
17	555.	554.4	553.6	551.9	552.1	552.3	552.9	554.7	553.4	553.4
18	553.1	553.1	554.9	553.5	552.6	553.	553.3	553.3	553.4	573.9
19	553.2	553.9	554.1	554.5	555.5	555.4	555.4	556.2	556.5	556.9
20	557.5	557.8	559.	559.2	559.1	559.9	560.1	560.8	560.7	560.5
21	560.9	561.3	565.3	566.9	567.2	566.6	566.1	565.6	565.3	566.5

Göttingen time	m. 2	m. 8	m. 14	m. 20	m. 26	Therm., Fah.	m. 32	m. 38	m. 44	m. 50	m. 56	Therm., Fah.
h.												
22	*941.6	948.	948.1	961.7	968.5	78.5	968.1	959.8	952.4	943.7	935.7	78.9
23	933.3	938.7	918.1	908.4	902.2	79.5	909.6	923.	931.2	950.6	947.	79.4
0	961.6	959.5	955.9	949.9	947.4	79.8	933.8	933.6	916.2	905.9	917.5	80.
1	928.7	929.7	932.6	931.6	934.2	80.1	939.6	955.2	957.9	981.9	972.4	80.2
2	969.2	962.	973.1	969.6	985.4	80.1	996.7	996.5	989.4	987.5	990.2	80.1
3	980.3	974.3	973.	981.	978.	80.	969.	968.8	966.8	961.7	964.5	79.9
4	963.6	963.5	963.6	963.1	962.6	79.8	962.5	957.4	958.5	960.5	962.4	79.6
5	962.8	959.5	962.2	973.9	956.2	79.8	942.1	928.2	930.	941.9	938.	79.2
6	937.	938.7	943.	951.5	958.8	79.1	966.9	964.	968.6	966.1	972.1	78.8
7	978.2	972.2	970.	961.5	958.8	....	956.5	957.7	954.2	955.8	959.6	78.
8	959.5	960.	958.9	959.2	963.1	78.	960.1	958,9	951.7	952.1	954.4	77.6
9	950.5	953.8	953.5	953.2	947.9	77.3	943.6	952.7	951.2	954.7	952.4	77.
10	956.6	952.3	949.3	955.2	955.	76.7	956.9	964.2	967.8	974.8	979.1	76.4
11	980.2	982.7	981.6	977.5	974.8	76.	973.9	969.4	967.4	965.5	962.6	75.7
12	964.5	969.2	962.4	963.	961.2	75.5	961.	962.2	962.7	960.8	963.7	75.6
13	963.1	960.1	956.5	957.4	956.7	75.6	956.5	957.2	960.	957.5	955.9	75.7
14	955.9	956.	958.	961.4	962.2	75.8	962.6	961.2	965.2	967.2	965.9	75.9
15	969.2	967.9	966.5	967.7	966.4	76.1	960.6	966.7	969.7	975.7	974.6	76.4
16	982.4	986.5	990.3	987.8	989.4	76.6	986.6	992.2	995.6	997.2	997.5	77.1
17	995.3	993.1	987.3	987.	987.7	77.2	985.3	984.6	982.	979.6	976.5	77.4
18	977.	973.4	971.9	976.5	977.5	77.7	978.	974.	971.2	971.6	972.9	78.2
19	971.4	973.1	973.9	970.	973.7	....	973.1	970.6	975.4	972.3	975.2	78.9
20	972.9	969.6	972.3	974.6	973.7	79.2	973.1	971.3	971.2	973.	975.6	79.7
21	978.4	980.2	970.3	968.6	964.7	80.2	969.1	970.3	968.6	966.8	973.5	80.4

* 78° Fahrenheit.

Göttingen time	*m.* 4	*m.* 10	*m.* 16	*m.* 22	*m.* 28	Therm., Fah.	*m.* 34	*m.* 40	*m.* 46	*m.* 52	*m.* 58	Therm., Fah.
h.												
22.....	*780 8	781.9	783.2	784.9	786.4	....	.....	789 3	791.2	792.3	792.3	78.3
23.....	793.3	793.4	793.5	793.3	793.4	78.7	794.7	794.7	795.7	796.8	798.4	79.4
0.....	800.6	802.	802.8	805.4	805.3	79.4	806.3	807.5	807.8	807.6	807.7	79.6
1.....	807.6	807.8	807.3	807.9	808.8	80.8	806.9	808.7	805.	805.1	808.9	....
2.....	810.2	811.1	811.2	811.8	†812.2	80.	812.6	815.1	817.1	819.	820.	80.
3.....	822.8	822.5	822.6	822.4	822.9	79.9	822.8	822.8	822.9	822.9	823.	79.9
4.....	823.6	823.4	823.8	824.	824.3	79.8	824.8	825.8	826.2	826.1	826 4	79.6
5.....	826 5	827.2	827.1	826.6	828.6	79.5	831.8	834.6	835.6	835.	835.	....
6.....	835.1	835 9	837.	838.3	839.2	....	838.3	838.2	837.1	836.1	835.5	78.
7.....	836.3	835.3	835.	834.1	834.3	....	836.	†836.4	835.7	834.6	832.4	78.6
8.....	830.9	830.	828.9	827.6	826.3	78.4	824.4	823.7	822.8	822.1	821.7	78.1
9.....	821.	820.7	821.6	821.4	821.3	77.9	821.3	821.	820.7	819.1	817.9	77.7
10.....	818 5	817.9	816.8	811.7	814.4	77.4	814.2	813.1	812.7	812.7	812.5	77.1
11.....	812.	811.8	810.6	809.3	807.8	76.9	807.1	806.4	806.2	805.6	804.7	76.6
12.....	803.7	804.5	804.	803.9	803.5	76.4	802.8	802.4	801.8	800.3	800.	76.5
13.....	799.1	799.7	799.8	800.	800.	76.6	799.9	800.2	800.5	800.2	800.1	76.7
14.....	799.6	799.9	798.9	798.9	799.8	76.9	800.	800.3	800.4	800.4	800.4	76.9
15.....	800.5	800.3	799.8	800.2	800.	77.	799.2	798.9	798.6	799.3	798.8	77.3
16.....	799.	799.1	798.8	798.3	798.1	77.7	797.8	797.6	797.6	797.6	797.3	78.
17.....	797.2	797.5	797.8	798.3	799.3	78.4	800.	801.	801.6	802.2	802.9	78.7
18.....	803.4	804.2	805.1	805.9	806.3	79.1	806.4	806.4	806.5	806.9	807.1	79.4
19.....	807.9	808.7	809.3	810.	810.8	79.3	811.	812.	812.4	812.6	812.8	79.4
20.....	813.5	813.8	814.1	814.6	815.	79.7	814.9	815.	814.5	8		
21.....	815.2	815.5	815.3	815.3	815.3	80.3	815.7	816.3	816.8	8		

* 77°.8 Fahrenheit.

† One minute late.

Göttingen time.....	h. 22	h. 23	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10
m.													
0.....	565.5	565.4	564.	565.3	565.7	560.9	564.8	564.7	565.6	555.7	559.2	563.5	564.4
15.....	565.	564.7	562.7	563.7	564.	560.4	567.1	560.5	564.5	561.1	561.2	565.6	565.6
30.....	564.5	564.4	562.3	563.1	562.9	560.7	569.4	564.4	562.8	562.	563.3	570.9	561.7
45.....	564.7	565.2	562.2	564.	561.4	562.5	569.2	*565.5	554.8	†557.2	564.8	570.2	560.2

Göttingen time.....	h. 11	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
m.													
0.....	560.8	569.	574.3	563.7	563.3	557.3	548.6	549.7	546.7	549.1	556.9	559.9	563.7
15.....	566.6	572.1	575.5	565.9	563.5	557.1	548.8	547.2	545 5	550.6	558.	560.4	563.8
30.....	569.6	573.5	573.	565.9	562.7	556.	548.2	547.3	546.8	554.2	559.4	561.2	563.9
45.....	570.1	573.8	564.8	564.1	561.7	551.6	547.7	548.9	550.2	555.7	559.8	562.7	564.7

* July 10.

† Three minutes late.

Göttingen time	h. 22	h. 23	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10
Thermometer	80.4	81.2	81.4	81.9	81.	80.4	79.7	78.9	78.8	78.1	77.5	77.	76.3
m.													
2	974.	978.6	980.1	980.5	984 4	978.8	976 9	974.6	950.2	937.7	939.	930.6	938.4
17	978.2	979.9	982.9	980.1	981.1	978.7	973.9	982.2	947.2	931.4	941.4	932.7	942.1
Thermometer	80.8	81.4	81.7	81.2	80.8	80.	79.4	78.5	78.4	77.9	77.2	76.8	76.4
32	980.3	980 5	983.7	983.6	979.	981.5	974.2	981.2	946.3	921.3	941.9	942.6	951.
47	978.8	977.2	985.8	986.6	979.3	979.8	972.2	*949.	946.8	926.9	945.6	939.1	947.5

Göttingen time	h. 11	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer	76.2	76.	76.	76.3	76.8	77.3	77.8	78.2	78.8	79.3	79.9	80.2	80.8
m.													
2	947.4	932.6	931.9	964.5	970.	963.5	975.1	961.2	971.9	957.3	949.3	945.	946.
17	946.3	928.9	949.7	967.2	973.2	964.1	974.4	960 2	964.6	958.2	946.1	946.7	958.
Thermometer	76.1	76.	76.1	76.5	77.1	77.5	78.	78.5	79.1	79.7	80.	80.4	81.
32	941.2	928.3	941.8	966.2	972.9	973.6	979.4	960.2	962.4	947.1	946.3		
47	935.4	930.7	955.	964.2	968.3	975.4	962.4	960.7	955.6	949.2	945.1		

* July 10.

Göttingen time	h. 22	h. 23	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10
Thermometer	80.3	80.7	81.1	81.1	80.7	80.2	79.7	79.2	78.9	78.6	78.1	77.8	77.3
m.													
4	818.3	827.3	834.7	840.9	843.4	841.9	838.3	836.6	837.3	836.1	832.5	826.3	821.9
19	821.1	829.6	836.7	841.7	843.1	841.2	838.3	835.3	835.8	836.2	832.	826.2	820.2
Thermometer	80.6	80.8	81.3	80.9	80.5	80.	79.4	78.8	78.8	78.3	78.	77.5	77.3
34	823.7	831.4	838.	842.7	842.9	840.7	838.	833.6	834.5	833.5	832.7	825.	816.
49	825.8	833.	839.9	843.3	843.2	838.7	837.8	*840.6	835.3	833.	828.9	821.9	814.6

Göttingen time	h. 11	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer	77.3	77.2	77.3	77.5	77.9	78.2	78.6	79.2	79.5	80.	80.4	80.5	80.9
m.													
4	815.2	808.6	806.5	805.6	806 1	809.	808.9	811.	814.9	818.7	822.4	826.4	831.2
19	814.4	808.	806.2	805.8	806.8	809.6	810.1	811.5	815.9	820.8	822.7	827.6	†831.9
Thermometer	77.2	77.2	77.4	77.6	78.	78.2	78.8	79.4	79.8	80.2	80.5	80.6	81.2
34	812.1	807.6	804.8	805.4	807.6	810.2	811.2	812.4	816.7	821.5	823.7	†29.5	833.9
49	809.7	807.2	805.	805.7	808.7	809.3	811.3	812.9	817.4	822.3	825.1	830.8	835.1

* July 10.

† Three minutes late.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

OBSERVATIONS OF MAGNETIC DIP,

FROM JANUARY TO DECEMBER, 1843.

Göttingen time	h. 22	h. 23	h. 0	h. 1	h. 2	h. 3	h. 4	h. 5	h. 6	h. 7	h. 8	h. 9	h. 10
Thermometer	80.3	80.7	81.1	81.1	80.7	80.2	79.7	79.2	78.9	78.6	78.1	77.8	77.3
m.													
4.....	818.3	827.3	834.7	840.9	843.4	841.9	838.3	830.6	837.3	836.1	832.5	826.3	821.9
19.....	821.1	829.6	836.7	841.7	843.1	841.2	838.3	835.3	835.8	836.2	832.	826.2	820.2
Thermometer	80.6	80.8	81.3	80.9	80.5	80.	79.4	78.8	78.8	78.3	78.	77.5	77.3
34.....	823.7	831.4	838.	842.7	842.9	840.7	838.	833.6	834.5	833.5	832.7	825.	816.
49.....	825.8	833.	839.9	843.3	842.2	838.7	837.8	*840.6	835.3	833.	828.9	821.9	814.6

Göttingen time.....	h. 11	h. 12	h. 13	h. 14	h. 15	h. 16	h. 17	h. 18	h. 19	h. 20	h. 21	h. 22	h. 23
Thermometer	77.3	77.2	77.3	77.5	77.9	78.2	78.6	79.2	79.5	80.	80.4	80.5	80.9
m.													
4.....	815.2	808.6	806.5	805.6	806 1	809.	808.9	811.	814.9	818 7	822.4	826.4	831.2
19.....	814.4	808.	806.2	805.8	806.8	809.6	810.1	811.5	815.0	820.8	822.7	827.6	†831.9
Thermometer	77.2	77.2	77.4	77.6	78.	78.2	78.8	79.4	79.8	80.2	80.5	80.6	81.2
34.....	812.1	807.6	804.8	805.4	807.6	810.2	811.2	812.4	816.7	821.5	823.7	829.5	833.9
49.....	809.7	807.2	805.	805.7	808.7	809.3	811.3	812.9	817.4	822.3	826.1	830.8	835.1

* July 10.

† Three minutes late.



MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

OBSERVATIONS OF MAGNETIC DIP,

FROM JANUARY TO DECEMBER, 1843.

GENERAL NOTE.

Observations of the magnetic intensity were occasionally made during this year. The instrument, times and mode of observation, are otherwise as already stated. The place of observation is the same as before, about twenty feet from the SOUTHEAST angle of the observatory.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
A	West	West	72° 00′	71° 58′	71° 59′	52°.	Time, 10h. 30m.
			72 02	72 00	72 01	....	
			71 56	71 54	71 55	....	
		East	71 26	71 30	71 28	....	
			71 20	71 22	71 21	....	Needle makes 20 oscillations in 57 seconds of time.
			71 16	71 18	71 17	51.5	
	East	West	72 16	72 15	72 15	....	
			72 15	72 15	72 15	....	
			72 13	72 13	72 13	....	
		East	72 15	72 18	72 16	....	
			72 18	72 20	72 19	....	Needle No. 1, with A end north, gives 71° 58′.04.
			72 15	72 18	72 16	....	
B	East	East	72 00	71 55	71 57	53.	Time, 11h. 16m.
			72 16	72 18	72 17	....	
			72 14	72 18	72 16	....	
		West	71 50	71 51	71 50	....	Needle makes 20 oscillations in 59.6 seconds of time.
			71 43	71 43	71 43	....	
			71 35	71 35	71 35	....	
	West	East	71 35	71 35	71 35	....	
			71 33	71 30	71 31	....	Needle No. 1 gives—
			71 33	71 31	71 32	....	With A end north.....71° 58′.04
		West	71 22	71 24	71 23	....	With A end south.....71 43 .46
			71 28	71 28	71 28	....	
			71 22	71 22	71 22	52.5	Dip by 24 observations....71 50 .45

APRIL 18.] [1843.

B	East	East	72 19	72 20	72 19	43.5	Time, 12h. 30m.
			72 29	72 31	72 30	....	
			72 16	72 17	72 16	....	
		West	72 00	72 01	72 00	....	
			71 36	71 37	71 36	....	Needle makes 20 oscillations in 59.6 seconds of time.
			71 53	71 54	71 53	....	
	West	East	71 27	71 28	71 27	....	
			71 40	71 38	71 39	....	
			71 37	71 35	71 36	....	
		West	71 24	71 25	71 24	....	
			71 31	71 32	71 31	....	Needle No. 1, with B end north,
			71 33	71 32	71 32	43.5	gives 71° 49′.9.
A	West	West	72 06	72 04	72 05	43.2	Time, 13h. 50m.
			72 07	72 05	72 06	....	
			72 01	71 59	72 00	....	
		East	71 46	71 44	71 45	....	Needle makes 20 oscillations in 55 seconds of time.
			71 40	71 38	71 39	....	
			71 41	71 39	71 40	....	
	East	West	72 25	72 23	72 24	....	
			72 28	72 29	72 28	....	Needle No. 1 gives—
			72 28	72 29	72 28	....	With B end north.....71° 49′.90
		East	72 13	72 15	72 14	....	With B end south.....72 06 .21
			72 27	72 29	72 28	43.2	
			72 20	72 21	72 20	....	Dip by 24 observations...71 58 .55

April 25.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	71 48	71 47	71 47	66.7	Time 9*h*. 30*m*.
			71 51	71 49	71 50	....	
			72 04	72 03	72 03	....	
		East	71 18	71 19	71 18	....	
			71 32	71 33	71 32	....	Needle makes 20 oscillations in 55
			71 33	71 34	71 33	....	seconds of time.
	East	West	72 16	72 17	72 16	....	
			72 25	72 26	72 25	....	
			72 19	72 21	72 20	....	
		East	72 14	72 17	72 15	67.	
			72 18	72 19	72 18	....	Needle No. 1, with A end north,
			72 13	72 16	72 14	....	gives 71° 59′.67.
B	East	East	71 51	71 53	71 52	67.6	Time, 10*h*. 30*m*.
			72 02	72 04	72 03	....	
			71 29	71 32	71 31	....	
		West	72 29	72 31	72 30	....	Needle makes 20 oscillations in 55
			72 17	72 19	72 18	....	seconds of time.
			72 20	72 22	72 21	....	
	West	East	71 06	71 04	71 05	68.2	
			71 20	71 17	71 18	....	Needle No. 1 gives—
			71 23	71 21	71 22	....	With A end north.....71° 59′.67
		West	72 00	72 02	72 01	....	With A end south.....71 52 .00
			71 59	71 59	71 59	68.	
			72 04	72 03	72 03	....	Dip by 24 observations...71 55 .83

May 2.] [1843.

B	West	West	71 45	71 46	71 45	52.	Time, 9*h*. 20*m*.
			71 28	71 27	71 27	....	
			71 44	71 45	71 44	....	
		East	71 20	71 19	71 19	....	
			71 06	71 06	71 06	....	Needle makes 20 oscillations in 55
			70 57	70 56	70 56	....	seconds of time.
	East	West	72 29	72 28	72 28	52.	
			72 24	72 23	72 23	....	
			72 15	72 16	72 15	....	
		East	71 36	71 38	71 37	....	
			72 04	72 05	72 04	....	Needle No. 1, with B end north,
			71 47	71 48	71 47	52.	gives 71° 44′.67.
A	East	East	72 51	72 54	72 52	51.5	Time 10*h*.
			72 24	72 26	72 25	....	
			72 31	72 33	72 32	....	
		West	72 34	72 36	72 35	....	Needle makes 20 oscillations in 56
			72 47	72 48	72 47	....	second of time.
			72 46	72 46	72 46	....	
	West	East	71 02	71 02	71 02	53.	
			71 48	71 49	71 48	....	Needle No. 1 gives—
			71 27	71 29	71 28	....	With B end north.....71° 44′.67
		West	72 10	72 08	72 09	54.	With B end south.....72 11.75
			71 57	71 56	71 56	....	
			72 00	71 58	71 59	54.	Dip by 24 observations...71 58 .21

MAY 9.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	71 59	71 58	71 58	59.	Time, 9*h*.
			72 10	72 11	72 10	....	
			71 59	71 59	71 59	....	
		East	71 12	71 14	71 13	....	
			71 12	71 13	71 12	....	Needle makes 20 oscillations in 56 seconds of time.
			71 28	71 29	71 28	....	
	East	West	72 46	72 45	72 45	....	
			72 39	72 38	72 38	....	
			72 34	72 36	72 35	....	
		East	72 24	72 23	72 23	....	
			72 18	72 18	72 18	....	Needle No. 1, with A end north, gives 72° 11′.75.
			72 38	72 39	72 38	....	
B	East	East	72 00	72 03	72 01	60.2	Time 9*h*. 50*m*.
			72 08	72 10	72 09	....	
			72 21	72 23	72 22	....	
		West	72 25	72 27	72 26	....	Needle makes 20 oscillations in 58 seconds of time.
			72 25	72 28	72 26	....	
			72 24	72 27	72 26	....	
	West	East	71 38	71 38	71 38	....	
			71 55	71 57	71 56	....	Needle No. 1 gives—
			71 47	71 48	71 47	....	With A end north.....72° 11′.75
		West	72 14	72 14	72 14	....	With A end south.....72 08 .21
			72 02	72 02	72 02	....	
			72 11	72 10	72 11	62.	Dip by 24 observations...72 09 .98

MAY 16.] [1843.

B	West	West	72 13	72 11	72 12	76.1	Time, 10*h*.
			72 08	72 07	72 07	....	
			72 14	72 12	72 13	....	
		East	72 24	72 26	72 25	....	
			72 21	72 23	72 22	....	Needle makes 20 oscillations in 56 seconds of time.
			72 22	72 24	72 23	....	
	East	West	72 30	72 32	72 31	78.9	
			71 55	71 56	71 55	....	
			72 04	72 06	72 05	....	
		East	72 16	72 17	72 16	....	
			72 18	72 19	72 19	....	Needle No. 1, with B end north, gives 72° 14′.87.
			72 09	72 10	72 09	....	
A	East	East	72 20	72 21	72 21	80.	Time, 10*h*. 45*m*.
			72 21	72 22	72 21	....	
			72 16	72 16	72 16	....	
		West	72 24	72 26	72 25	....	Needle makes 20 oscillations in 52 seconds of time.
			72 24	72 24	72 24	....	
			72 28	72 29	72 28	....	
	West	East	71 45	71 44	71 44	79.8	
			71 20	71 18	71 19	....	Needle No. 1 gives—
			71 35	71 39	71 34	....	With B end north.....72° 14′.87
		West	71 49	71 47	71 48	....	With B end south.....72 09 .30
			71 39	71 38	71 39	....	
			71 44	71 43	71 43	78.2	Dip by 24 observations...72 07 .59

MAY 23.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	71 40	71 39	71 39	70.4	Time, 9*h*. 25*m*.
			71 44	71 42	71 43	....	
			71 55	71 53	71 54	....	
		East	72 13	72 15	72 14	....	
			71 58	71 59	71 58	....	Needle makes 20 oscillations in 53
			71 42	71 43	71 42	....	seconds of time.
	East	West	72 08	72 07	72 07	72.6	
			72 23	72 22	72 22	....	
			72 10	72 10	72 10	....	
		East	71 25	71 27	71 26	....	
			72 18	72 19	72 18	....	Needle No. 1, with A end north,
			72 14	72 16	72 15	....	gives 71° 59′.35.
B	East	East	72 20	72 21	72 20	73.2	Time, 10*h*. 15*m*.
			72 40	72 43	72 41	....	
			71 46	71 45	71 45	....	
		West	71 52	71 55	71 53	....	Needle makes 20 oscillations in 57
			72 15	72 17	72 16	....	seconds of time.
			72 05	72 06	72 05	....	
	West	East	72 14	72 12	72 13	73.8	
			71 52	71 50	71 51	....	Needle No. 1 gives—
			71 41	71 39	71 40	....	With A end north..... 71° 59′.35
		West	72 35	72 35	72 35	....	With A end south..... 72 12 .87
			72 38	72 38	72 38	....	
			72 35	72 35	72 35	74.7	Dip by 24 observations...72 06 .06

MAY 30.] [1843.

B	West	West	71 08	71 09	71 08	63 9	Time, 9*h*. 30*m*.
			71 46	71 47	71 46	....	
			71 55	71 57	71 56	....	
		East	71 31	71 32	71 31	....	
			71 26	71 27	71 26	....	Needle makes 20 oscillations in 57
			71 35	71 37	71 36	....	seconds of time.
	East	West	71 58	71 59	71 58	64.6	
			72 07	72 07	72 07	....	
			72 12	72 13	72 12	....	
		East	71 42	71 42	71 42	....	
			71 35	71 36	71 35	....	Needle No. 1, with B end north,
			71 32	71 32	71 32	....	gives 71° 42′.71.
A	East	East	72 36	72 36	72 26	65.7	Time, 10*h*. 20*m*.
			72 30	72 30	72 30	....	
			72 29	72 30	72 29	....	
		West	72 30	72 31	72 30	....	Needle makes 20 oscillations in 57
			72 21	72 22	72 21	....	seconds of time.
			72 10	72 11	72 10	....	
	West	East	71 36	71 35	71 35	66.	
			71 42	71 42	71 42	....	Needle No. 1 gives—
			71 44	71 44	71 44	....	With B end north..... 71° 42′.71
		West	71 47	71 47	71 47	....	With B end south..... 72 05 .56
			71 46	71 45	71 45	....	
			71 55	71 55	71 55	66.	Dip by 24 observations...71 54 .14

June 6.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	71 48	71 47	71 47	72.	Time, 10h.
			71 59	71 57	71 58	....	
			71 55	71 53	71 54	....	
		East	71 37	71 37	71 37	....	
			71 49	71 49	71 49	....	Needle makes 20 oscillations in 57
			72 02	72 02	71 02	71.	seconds of time.
	East	West	72 26	72 25	71 25	....	
			72 12	72 13	71 12	....	
			72 22	72 22	71 22	....	
		East	72 30	72 32	71 31	70.5	
			72 30	72 32	71 31	....	Needle No. 1, with A end north,
			72 44	72 44	71 44	70.3	gives 72° 09′.46.
B	East	East	72 13	72 14	71 13	69.8	Time, 10h. 45m.
			72 17	72 17	71 17	....	
			72 08	72 08	71 08	....	
		West	71 46	71 46	71 46	70.2	Needle makes 20 oscillations in 55
			71 35	71 35	71 35	....	seconds of time.
			71 35	71 37	71 36	....	
	West	East	71 20	71 18	71 19	72.5	
			72 32	72 30	71 31	....	Needle No. 1 gives—
			72 48	72 47	71 47	....	With A end north.....72° 09′.46
		West	71 30	71 29	71 29	71.7	With A end south.....71 54.50
			71 30	71 28	71 29	....	
			71 43	71 42	71 42	72.	Dip by 24 observations...72 01.98

June 13.] [1843.

B	West	West	71 27	71 25	71 26	69.	Time, 10n.
			71 43	71 41	71 42	....	
			71 40	71 38	71 39	....	
		East	72 05	72 03	72 04	....	
			72 15	72 13	72 14	....	Needle makes 20 oscillations in 55
			72 07	72 05	72 06	....	seconds of time.
	East	West	71 47	71 46	71 46	68.6	
			71 55	71 55	71 55	....	
			71 39	71 40	71 39	....	
		East	72 29	72 29	72 29	....	
			72 18	72 17	72 17	....	Needle No. 1, with B end north,
			72 15	72 16	72 15	68.5	gives 71° 57′.83.
A	East	East	72 27	72 28	72 27	69.2	Time 10h. 40m.
			72 24	72 25	72 24	....	
			72 10	72 12	72 11	....	
		West	72 40	72 41	72 40	....	Needle makes 20 oscillations in 52
			72 14	72 16	72 15	....	seconds of time.
			72 32	72 33	72 32	....	
	West	East	71 35	71 37	71 36	69.7	
			71 43	71 43	71 43	....	Needle No. 1 gives—
			71 45	71 44	71 44	....	With B end north.....
		West	72 00	71 58	71 59	....	With B end south.....72° 10′.67
			72 13	72 13	72 13	....	
			72 22	72 21	72 21	70.4	Dip by 24 observations...72 04.34

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	71 55	71 54	71 5	78.5	Time, 9*h*. 45*m*.
			71 56	71 54	71 5	....	
			71 46	71 44	71 4	....	
		East	71 41	71 39	71 4	....	
			71 21	71 20	71 20	....	Needle makes 20 oscillations in 52 seconds of time.
			71 38	71 37	71 37	....	
	East	West	72 19	72 19	72 19	78.1	
			71 56	71 55	71 55	....	
			72 11	72 11	72 11	....	
		East	72 21	72 23	72 22	....	
			72 06	72 08	72 07	....	Needle No. 1, with A end north, gives 71° 56′.50.
			72 10	72 12	72 11	78.2	
B	East	East	72 00	72 00	72 00	79.8	Time, 10*h*. 25*m*.
			71 50	71 50	71 50	....	
			71 59	72 00	71 59	....	
		West	71 56	71 58	71 57	....	Needle makes 20 oscillations in 55 seconds of time.
			71 56	71 58	71 57	....	
			71 55	71 57	71 56	80.	
	West	East	71 31	71 29	71 30	....	
			71 30	71 27	71 28	....	Needle No. 1 gives—
			71 45	71 43	71 44	....	With A end north..... 71° 56′.50
		West	71 35	71 35	71 35	....	With A end south..... 71 45 .42
			71 37	71 37	71 37	....	
			71 31	71 31	71 31	79.7	Dip by 24 observations...71 50 .96

B	West	West	71 40	71 39	71 39	86.	Time, 9*h*. 30*m*.
			71 43	71 41	71 42	....	
			71 42	71 40	71 41	....	
		East	71 45	71 43	71 44	88.	
			71 45	71 42	71 43	....	Needle makes 20 oscillations in 55 seconds of time.
			71 39	71 37	71 38	....	
	East	West	71 44	71 47	71 45	....	
			71 55	71 58	71 56	....	
			71 50	71 51	71 50	....	
		East	71 55	71 55	71 55	...	
			71 59	72 00	71 59	...	Needle No. 1, with B end north, gives 71° 48′.2.
			72 03	72 04	72 03	88.	
A	East	East	72 00	72 02	72 01	....	Time, 10*h*. 20*m*.
			72 21	72 23	72 22	....	
			72 14	72 17	72 15	....	
		West	72 02	72 04	72 03	88.	Needle makes 20 oscillations in 57 seconds of time.
			72 14	72 16	72 15	....	
			72 16	72 19	72 17	....	
	West	East	71 40	71 37	71 38	....	
			71 43	71 41	71 42	88.1	Needle No. 1 gives—
			71 47	71 44	71 45	....	With B end north..... 71° 48′.20
		West	71 45	71 43	71 44	....	With B end south..... 71 58 .83
			71 50	71 48	71 49	....	
			71 54	71 52	71 53	88.8	Dip by 24 observations...71 53 .51

JULY 4.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	72 36	72 36	72 36	81.	Time, 10*h*.
			72 15	72 16	72 16	....	
			72 24	72 25	72 24	....	
		West	72 10	72 12	72 11	....	
			72 16	72 17	72 17	....	Needle makes 20 oscillations in 57 seconds of time.
			72 10	72 11	72 10	....	
	West	East	71 27	71 25	71 26	80.3	
			71 42	71 40	71 41	....	
			71 36	71 36	71 36	....	
		West	71 56	71 55	71 55	....	
			71 50	71 48	71 49	....	Needle No. 1, with A end north, gives 72° 01′.41.
			71 56	71 55	71 55	80.6	
B	West	West	72 03	72 02	72 02	....	Time, 10*h*. 50*m*.
			72 00	71 58	71 59	....	
			71 59	71 57	71 58	....	
		East	71 36	71 34	71 35	....	Needle makes 20 oscillations in 57 seconds of time.
			71 25	71 23	71 24	....	
			71 43	71 40	71 41	80.8	
	East	West	72 13	72 11	72 12	....	
			72 20	72 20	72 20	....	Needle No. 1 gives—
			72 19	72 19	72 19	....	With A end north..... 72° 01′.41
		East	72 02	72 03	72 02	81.3	With A end south..... 71 56 .30
			71 56	71 56	71 56	....	
			71 46	71 46	71 46	79.6	Dip by 24 observations...71 58 .85

JULY 11.] [1843.

B	West	West	71 39	71 40	71 39	66.5	Time, 10*h*. 15*m*.
			71 30	71 31	71 30	....	
			71 45	71 45	71 45	....	
		East	71 18	71 17	71 17	....	Needle makes 20 oscillations in 57 seconds of time.
			71 12	71 13	71 12	....	
			71 16	71 16	71 16	....	
	East	West	71 55	71 57	71 56	67.7	
			72 14	72 16	72 15	....	
			72 21	72 23	72 22	....	Raining. Wind NNE.
		East	71 54	71 54	71 54	....	
			71 55	71 55	71 55	....	Needle No. 1, with B end north, gives 71° 44′.3.
			71 48	71 49	71 48	....	
A	East	East	72 10	72 12	72 11	65.8	Time, 10*h*. 55*m*.
			72 11	72 13	72 12	....	
			72 15	72 18	72 16	....	
		West	72 30	72 32	72 31	....	Needle makes 20 oscillations in 57 seconds of time.
			72 29	72 30	72 29	....	
			72 29	72 31	72 30	....	
	West	East	71 33	71 31	71 32	66.	
			71 52	71 49	71 50	....	Needle No. 1 gives—
			71 45	71 44	71 44	....	With B end north..... 71° 44′.3
		West	71 58	71 58	71 58	....	With B end south..... 72 07 .9
			72 08	72 08	72 08	....	
			72 12	72 12	72 12	....	Dip by 24 observations....71 56 .1

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	72 23	72 36	72 3	84.5	Time 9h. 45m.
			72 13	72 14	72 B	....	
			72 43	72 46	72 4	....	
		West	72 31	72 33	72 3	86.	
			72 10	72 11	72 D	....	Needle makes 20 oscillations in 57 seconds of time.
			72 14	72 16	72 5	....	
	West	East	71 36	71 36	71 3	84.5	
			71 48	71 46	71 4	....	
			72 02	72 00	72 0	....	
		West	71 30	71 34	71 2	....	
			71 47	71 46	71 4	84.8	Needle No. 1, with A end north, gives 72° 04′.91.
			71 47	71 46	71 4	....	
B	West	West	71 14	71 12	71 B	87.2	Time, 10h. 25m.
			71 32	71 31	71 3	....	
			71 31	71 30	71 3	....	
		East	71 48	71 46	71 4	....	Needle makes 20 oscillations in 56 seconds of time.
			71 49	71 46	71 4	....	
			71 40	71 38	71 3	87.7	
	East	West	71 46	71 46	71 4	....	
			72 06	72 07	72 0	....	Needle No. 1 gives—
			72 00	71 58	71 5	....	With A end north.....72° 04′.91
		East	72 27	72 29	72 2	....	With A end south.....71 51 .50
			72 03	72 05	72 0	....	
			72 25	72 27	72 2	87.6	Dip by 24 observations...71 58 .20

JULY 18. [1843.

B	East	East	72 14	72 14	72 1	87.7	Time, 11h.
			72 07	72 08	72 0	....	
			72 02	72 03	72 0	....	
		West	72 04	72 04	72 0	....	
			71 43	71 44	71 4	....	Needle makes 20 oscillations in 55 seconds of time.
			71 42	71 43	71 4	....	
	West	East	72 15	72 13	72 1	89.2	
			72 11	72 10	72 1	....	
			72 11	72 11	72 1	....	
		West	71 26	71 26	71 2	....	
			71 36	71 35	71 3	87.9	Needle No. 2, with B end north, gives 71° 55′.54.
			71 36	71 35	71 3	....	
A	West	West	72 30	72 30	72 3	88.	Time, 11h. 40m.
			72 21	72 21	72 2	....	
			72 27	72 27	72 2	....	
		East	71 42	71 40	71 4	....	Needle makes 20 oscillations in 56 seconds of time.
			71 08	71 08	71 0	....	
			71 23	71 23	71 2	....	
	East	West	72 45	72 45	72 4	89.9	
			72 48	72 48	72 4	....	Needle No. 2 gives—
			72 46	72 47	72 4	....	With B end north.....71° 55′.54
		East	71 10	71 11	71 1	....	With B end south. .....71 58 .83
			71 24	71 24	71 2	....	
			71 22	71 22	71 2	89.8	Dip by 24 observations...71 57 .19

JULY 20.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	71 57	71 59	71 58	76.1	Time, 16h. 15m.
			71 56	71 57	71 56	....	
			71 57	71 59	71 58	....	
		West	72 21	72 20	72 20	....	
			72 18	72 19	72 18	....	Needle makes 20 oscillations in 42
			72 21	72 23	72 22	....	seconds of time.
	West	East	71 32	71 30	71 31	76.4	
			71 27	71 25	71 26	....	
			71 31	71 30	71 30	....	
		West	72 00	72 00	72 00	....	
			71 56	71 54	71 55	....	Needle No. 1, (Lloyd,) with A end
			71 58	71 58	71 58	....	north, gives 71° 56′.17.
A	West	West	71 27	71 27	71 27	76.5	Time, 17h.
			71 35	71 34	71 34	....	
			71 32	71 32	71 32	....	Needle makes 20 oscillations in 45
		East	71 29	71 30	71 29	....	seconds of time.
			71 39	71 39	71 39	....	
			71 40	71 40	71 40	....	
	East	West	71 55	71 55	71 55	....	Needle No. 1 (Lloyd,) with
			71 57	71 58	71 57	....	A end north, gives .....71° 56′.17
			72 03	72 03	72 03	....	Needle No. 3, (Lloyd,) with
		East	72 00	72 00	72 00	....	A end north, gives .....71 45 .28
			71 51	71 51	71 51	....	
			71 55	71 55	71 55	76.2	Dip by 24 observations....71 50 .72

JULY 20.] MAGNETIC INTENSITY. [1843.

A	East	East	+ 4 17	4 17	4 17	76.	
			4 00	4 00	4 00	....	
			4 06	4 06	4 06	....	
		West	5 20	5 20	5 20	....	
			5 17	5 17	5 17	....	
			5 20	5 20	5 20	....	
	West	East	4 45	4 45	4 45	75.7	Old London weight.
			4 42	4 41	4 41	....	
			4 32	4 32	4 32	....	
		West	5 07	5 07	5 07	....	
			5 08	5 08	5 08	....	Needle No. 3, (Lloyd,) with A end
			5 03	5 03	5 03	74.3	north, gives 4° 48′.04.
A	East	East	— 0 55	0 55	0 55	....	
			0 34	0 34	0 34	....	
			0 44	0 44	0 44	....	
		West	1 19	1 18	1 18	....	Old London weight.
			1 11	1 11	1 11	74.1	
			1 05	1 05	1 05	....	
	West	East	— 0 12	0 12	0 12	....	Needle No. 1, (Lloyd,) with
			0 12	0 12	0 12	....	A end north, gives....4° 48′.04
			0 24	0 24	0 24	....	Needle No 3, (Lloyd,) with
		West	0 40	0 40	0 40	....	A end north, gives.....0 42 .66
			0 33	0 33	0 33	....	
			0 43	0 43	0 43	....	Intensity by 24 observations. 2 45 .35

JULY 20.] MAGNETIC INTENSITY. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	+18 40	18 37	18 38	....	Time, 19*h*.
			18 17	18 17	18 17	....	
			18 19	18 19	18 19	....	
		West	17 39	17 39	17 39	....	
			17 57	17 57	17 57	....	
			18 09	18 09	18 09	....	
	West	East	18 45	18 44	18 44	73.	With pin weight.
			19 03	19 02	19 02	....	
			18 41	18 40	18 40	....	
		West	18 48	18 48	18 48	....	
			18 27	18 27	18 27	....	Needle No. 1, (Lloyd,) with A end
			18 31	18 31	18 31	....	north, gives 18° 26′.08.
A	West	West	+22 25	22 25	22 25	71.7	Time, 19*h*. 50*m*.
			22 23	22 22	22 22	....	
			22 18	22 17	22 17	....	
		East	21 00	20 58	20 59	....	With pin weight.
			20 56	20 54	20 55	....	
			20 50	20 48	20 49	....	Needle No. 1, (Lloyd,)
	East	West	22 35	22 35	22 35	70.	with A end north, gives..18° 26′.08
			22 36	22 36	22 36	....	Needle No. 3, (Lloyd,)
			22 31	22 32	22 31	....	with A end north, gives..21 34 .12
		East	20 00	20 00	20 00	69.9	
			20 37	20 37	20 37	....	Intensity by 24 observa-
			20 42	20 42	20 42	69.5	tions.....20 00 .10

AUGUST 22.] MAGNETIC DIP. [1843.

B	East	East	72 11	72 13	72 12	77.6	Time, 9*h*. 45*m*.
			72 35	72 37	72 36	....	
			72 20	72 23	72 21	....	
		West	72 13	72 15	72 14	....	
			72 04	72 07	72 05	....	
			71 55	71 56	71 55	....	Needle makes 20 oscillations in 57
	West	East	71 53	71 49	71 51	74.5	seconds of time.
			71 36	71 32	71 34	....	
			71 57	71 59	71 58	....	
		West	71 17	71 17	71 17	75.7	
			71 21	71 24	71 23	....	Needle No. 1, with B end north,
			71 15	71 12	71 13	75.8	gives 71° 53′.37.
B	West	West	71 42	71 39	71 40	75.7	Time, 10*h*. 35*m*.
			71 44	71 43	71 43	....	
			70 51	70 52	70 51	....	
		East	72 28	72 25	72 26	....	Needle makes 20 oscillations in 56
			72 25	72 24	72 24	....	seconds of time.
			72 31	72 29	72 30	....	
	East	West	72 00	72 01	72 00	76.2	Needle No. 1, with B end
			71 43	71 46	71 44	....	north, gives .....71° 53′.37
			71 46	71 47	71 46	....	Needle No. 2, with B end
		East	73 00	73 00	73 00	....	north.....72 12 .33
			73 15	73 13	73 14	....	
			73 05	73 07	73 06	76.5	Dip by 24 observations...72 02 .85

August 24.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
B	East	East	° ′ 72 14	° ′ 72 14	° ′ 72 14	° 75.6	Time, 10*h*. 50*m*.
			72 14	72 14	72 14	....	
			72 02	72 02	72 02	....	
		West	71 40	71 37	71 38	....	
			72 00	72 03	72 01	....	Needle makes 20 oscillations in 57
			71 49	71 53	71 51	....	seconds of time.
	West	East	71 55	71 52	71 53	75.6	
			71 50	71 47	71 48	....	
			71 47	71 43	71 45	....	
		West	71 44	71 42	71 43	....	
			71 33	71 31	71 32	....	Needle No. 1, with B end north,
			71 27	71 24	71 25	....	gives 71° 50′.708.
A	West	West	71 23	71 23	71 23	76.3	Time, 11*h*. 45*m*.
			71 30	71 30	71 30	....	
			71 41	71 41	71 41	....	
		East	71 58	71 59	71 58	77.9	Needle makes 20 oscillations in 58
			71 56	71 58	71 57	....	seconds of time.
			72 07	72 08	72 07	....	
	East	West	72 09	72 11	72 10	78.4	
			72 00	72 01	72 00	....	Needle No. 1 gives—
			72 03	72 04	72 03	....	With B end north.... 71° 50′.71
		East	72 32	72 34	72 33	78.2	With B end south.....72 02 .00
			72 26	72 24	72 25	....	
			72 36	72 34	72 35	78.2	Dip by 24 observations...71 56 .35

August 24.] [1843.

B	East	East	72 45	72 43	72 44	77.9	Time, 12*h*. 50*m*.
			72 37	72 39	72 38	....	
			72 34	72 36	72 35	....	
		West	71 49	71 50	71 49	....	
			71 49	71 50	71 49	....	Needle makes 20 oscillations in 56
			71 22	71 23	71 22	....	seconds of time.
	West	East	72 25	72 23	72 24	78.1	
			72 29	72 27	72 28	....	
			72 24	72 24	72 24	....	
		West	71 12	71 11	71 11	....	
			71 18	71 17	71 17	....	Needle No. 2, with B end north,
			71 19	71 18	71 18	79.2	gives 72° 00′.17.
A	West	West	72 22	72 20	72 21	80.	
			72 15	72 14	72 14	....	
			72 15	72 15	72 15	....	Needle makes 20 oscillations in 59
		East	71 21	71 19	71 20	....	seconds of time.
			71 28	71 25	71 26	....	
			71 37	71 34	71 35	....	
	East	West	72 44	72 46	72 45	79.	
			72 25	72 26	72 25	....	Needle No. 2 gives—
			72 40	72 42	72 41	....	With B end north..... 72° 00′.17
		East	71 43	71 43	71 43	....	With B end south..... 72 01 .58
			71 52	71 52	71 52	....	
			71 40	71 40	71 40	80.	Dip by 24 observations.. 72 01 .07

August 26.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	71 48	71 49	71 48	83.	Time, 17*h*. 20*m*.
			71 49	71 48	71 48	....	
			71 56	71 55	71 55	....	
		East	71 31	71 29	71 30	....	
			71 30	71 30	71 30	....	
			71 33	71 32	71 32	....	
	East	West	72 20	72 18	72 19	83.5	
			72 22	72 18	72 20	....	
			72 26	72 22	72 24	....	
		East	71 56	71 58	71 57	....	
			71 50	71 53	71 51	....	Needle No. 1, (Lloyd,) with A end
			71 50	71 53	71 51	83.5	north, gives 71° 54′.
A	East	East	72 10	72 11	72 10	83.8	Time, 18*h*. 12*m*.
			72 07	72 08	72 07	....	
			72 02	72 03	72 02	....	
		West	71 58	71 58	71 58	....	
			71 59	72 00	71 59	....	
			72 01	72 02	72 01	....	
	West	East	71 43	71 43	71 43	....	
			71 41	71 41	71 41	....	
			71 40	71 40	71 40	....	
		West	71 37	71 36	71 36	83.8	
			71 36	71 34	71 35	....	Needle No. 3, (Lloyd,) with A end
			71 40	71 38	71 39	....	north, gives 71° 51′.

August 26.] MAGNETIC INTENSITY. [1843.

A	West	West	*23 09	23 11	23 10	81.	Time, 18*h*. 33*m*.
			22 48	22 46	22 47	....	
			22 45	22 43	22 44	....	
		East	21 16	21 12	21 14	....	
			20 37	20 35	20 36	....	
			20 33	20 30	20 31	....	Pin weight in third hole.
	East	West	22 10	22 10	22 10	....	
			22 22	22 23	22 22	....	
			22 06	22 07	22 06	....	
		East	20 32	20 32	20 32	....	
			21 07	21 06	21 06	....	Needle No. 3, (Lloyd,) with A end
			21 14	21 15	21 14	....	north, gives 21° 42′.87

* Above.

August 29.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah	Remarks.
			° ′	° ′	° ′	°	
A	East	East	72 40	72 38	72 39	77.5	Time, 10*h*.
			72 27	72 23	72 25	....	
			72 36	72 34	72 35	....	
		West	71 54	71 47	71 50	....	
			71 56	71 51	71 53	....	Needle makes 20 oscillations in 59
			72 02	71 57	71 59	....	seconds of time.
	West	East	72 18	72 14	72 16	76.8	
			72 00	71 55	71 57	....	
			72 15	72 10	72 12	....	
		West	71 47	71 42	71 44	....	
			71 49	71 46	71 47	....	Needle No. 1, with A end north,
			71 43	71 38	71 40	....	gives 72° 05′.08.
B	West	West	71 40	71 38	71 39	77.6	Time, 10*h*. 50*m*.
			71 50	71 52	71 51	....	
			71 36	71 37	71 36	....	
		East	71 41	71 38	71 39	....	Needle makes 20 oscillations in 56
			71 33	71 30	71 31	....	seconds of time.
			71 40	71 36	71 38	....	
	East	West	72 05	72 07	72 06	79.	
			72 12	72 14	72 13	....	Needle No. 1 gives—
			72 10	72 12	72 11	....	With A end north.....72° 05′.08
		East	72 09	72 09	72 09	....	With A end south.....71 55.50
			72 10	72 10	72 10	....	
			72 21	72 20	72 20	....	Dip by 24 observations...72 00.29

August 29.] [1843.

A	East	East	71 59	72 00	71 59	79.3	Time, 11*h*. 30*m*.
			71 51	71 51	71 51	....	
			71 53	71 54	71 53	....	
		West	72 19	72 24	72 21	....	
			72 26	72 23	72 24	....	
			72 30	72 27	72 28	....	
	West	East	71 26	71 29	71 27	78.8	
			71 33	71 37	71 35	....	
			71 29	71 31	71 30	....	
		West	71 53	71 52	71 52	....	
			71 58	71 56	71 57	....	Needle No. 1, (Lloyd,) with A end
			71 57	71 54	71 55	79.2	north, gives 71° 56′.33.
A	West	West	71 39	71 35	71 37	79.9	Time, 12*h*. 20*m*.
			71 37	71 33	71 35	....	
			71 40	71 38	71 39	....	
		East	71 38	71 37	71 37	....	
			71 37	71 37	71 37	....	
			71 36	71 36	71 36	....	
	East	West	72 06	72 07	72 06	80.1	
			72 12	72 14	72 13	....	
			72 09	72 09	72 09	....	
		East	72 01	72 01	72 01	....	
			71 59	71 59	71 59	....	Needle No. 3, (Lloyd,) with A end
			71 54	71 54	71 54	80.5	north, gives 71° 50′.33.

SEPTEMBER 5.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
B	East	East	71 42	71 38	71 40	79.	Time, 9h. 15.
			72 14	72 10	72 12	....	
			72 20	72 16	72 18	....	
		West	72 03	72 08	72 06	....	
			72 10	72 16	72 13	....	Needle makes 20 oscillations in 56 seconds of time.
			72 14	72 18	72 16	....	
	West	East	71 25	71 21	71 23	79.7	
			71 31	71 27	71 29	....	
			71 27	71 24	71 25	....	
		West	71 50	71 47	71 48	....	
			71 50	71 45	71 47	....	Needle No. 1, with B end north, gives 71°51′.96.
			71 47	71 44	71 45	....	
A	West	West	72 11	72 05	72 08	80.2	Time, 10h. 10m.
			72 12	72 06	72 09	....	
			72 20	72 14	72 17	....	
		East	71 36	71 28	71 32	....	Needle makes 20 oscillations in 56 seconds of time.
			71 50	71 46	71 48	....	
			71 45	71 41	71 43	....	
	East	West	72 27	72 22	72 24	81.7	
			72 34	72 29	72 31	....	Needle No. 1 gives—
			72 24	72 18	72 21	....	With B end north.....71° 51′.96
		East	72 16	72 13	72 14	....	With B end south.....72 07 .29
			72 11	72 10	72 10	....	
			72 10	72 07	72 08	81.6	Dip by 24 observations..71 59 .62

SEPTEMBER 5.] [1843.

A	East	East	72 02	71 58	72 00	81.5	Time, 11h.
			71 57	71 52	71 54	....	
			72 05	72 00	72 02	....	
		West	72 30	72 24	72 27	....	
			72 26	72 20	72 23	....	
			72 25	72 23	72 24	....	
	West	East	71 32	71 26	71 29	81.7	
			71 38	71 29	71 33	....	
			71 37	71 26	71 31	....	
		West	72 02	71 52	71 57	....	
			72 05	71 58	72 01	....	Needle No. 1, (Lloyd,) with A end north, gives 71° 58′.87.
			72 08	71 58	72 03	81.8	
A	West	West	71 37	71 31	71 35	82.2	Time, 11h. 25m.
			71 41	71 39	71 40	....	
			71 42	71 39	71 40	....	
		East	71 27	71 24	71 25	....	
			71 40	71 39	71 39	....	
			71 43	71 42	71 42	....	
	East	West	72 03	72 04	72 03	82.7	
			72 00	72 01	72 00	....	
			72 03	72 04	72 03	....	
		East	72 00	72 02	72 01	....	
			72 00	72 02	72 01	....	Needle No. 3, (Lloyd,) with A end north, gives 71° 49′.29.
			71 58	71 59	71 58	....	

SEPTEMBER 5.] MAGNETIC INTENSITY. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	* 20 41	† 20 41	20 41	83.2	Time, 12h. 20m.
			20 54	20 53	20 53	....	
			20 57	20 56	20 56	....	
		West	22 15	22 14	22 14	....	
			22 19	22 18	22 18	....	
			22 19	22 17	22 18	....	Pin weight in third hole.
	West	East	21 58	21 57	21 57	83.7	
			21 30	21 28	21 29	....	
			21 34	21 32	21 33	....	
		West	23 00	22 57	22 58	....	
			22 46	22 43	22 44	....	Needle No. 2, (Lloyd,) with A end north, gives 21° 48′.66.
			22 41	22 38	22 39	83.2	
A	West	West	* 18 46	† 18 43	18 44	83.7	Time, 13h. 25m.
			18 54	18 51	18 52	....	
			18 46	18 44	18 45	....	
		East	19 11	19 12	19 11	....	
			19 13	19 13	19 13	....	
			19 12	19 12	19 12	....	Pin weight in third hole.
	East	West	18 07	18 07	18 07	84.1	
			17 47	17 48	17 47	....	
			17 50	17 50	17 50	....	
		East	18 27	18 25	18 26	....	
			18 24	18 27	18 25	....	Needle No. 1, (Lloyd,) with A end north, gives 18° 35′.96.
			18 36	18 38	18 37	83.9	

SEPTEMBER 12.] MAGNETIC DIP. [1843.

A	East	East	72 18	72 13	72 15	59.6	Time, 9h. 35m.
			72 09	72 03	72 06	....	
			72 11	72 05	72 08	....	
		West	72 26	72 20	72 23	58.9	
			72 20	72 16	72 18	....	Needle makes 20 oscillations in 58 seconds of time.
			72 40	72 32	72 36	59.	
	West	East	71 36	71 31	71 33	....	
			71 26	71 22	71 24	....	
			71 39	71 34	71 36	....	
		West	71 57	72 00	71 58	....	
			72 12	72 14	72 13	....	Needle No. 1, with A end north, gives 72° 02′.66.
			71 59	72 01	72 00	59.2	
B	West	West	71 27	71 26	71 26	59.8	Time, 10h. 18m.
			71 06	71 09	71 07	....	
			71 18	71 22	71 20	....	
		East	71 52	71 53	71 52	60.3	Needle makes 20 oscillations in 59 seconds of time.
			71 51	71 50	71 50	....	
			71 51	71 50	71 50	....	
	East	West	72 00	71 53	71 56	60.8	
			71 56	71 49	71 52	....	Needle No. 1 gives—
			72 01	71 57	71 59	....	With A end north.....72° 02′.66
		East	72 37	72 38	72 37	....	With A end south.....71 58.75
			72 26	72 27	72 26	....	
			72 25	72 26	72 25	61.5	Dip by 24 observations...71 58.20

* Above. † Below.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	71 57	71 59	71 58	60.8	Time, 10*h*. 55*m*.
			71 58	71 58	71 58	....	
			71 41	71 42	71 41	....	
		West	72 40	72 35	72 37	....	
			72 43	72 43	72 43	....	Needle makes 20 oscillations in 59 seconds of time.
			72 35	72 37	72 36	....	
	West	East	71 20	71 14	71 17	61.	
			71 00	70 53	70 56	....	
			71 02	70 56	70 59	....	
		West	72 09	72 06	72 07	....	
			72 01	71 59	72 00	61.9	Needle No. 2, with A end north,
			72 04	72 03	72 03	....	gives 71° 54′.83.
B	West	West	71 32	71 30	71 31	62.1	Time, 11*h*. 40*m*.
			71 12	71 10	71 11	....	
			70 55	70 53	70 54	....	
		East	72 10	72 06	72 08	....	Needle makes 20 oscillations in 58
			72 24	72 21	72 22	....	seconds of time.
			72 16	72 14	72 15	....	
	East	West	71 49	71 48	71 48	62.2	
			71 43	71 45	71 44	....	Needle No. 2 gives—
			71 42	71 43	71 42	....	With A end north.....71° 54′.83
		East	72 29	72 32	72 30	....	With A end south.....71 57.00
			72 40	72 43	72 41	....	
			72 37	72 33	72 35	62.1	Dip by 24 observations...71 55.91
A	East	East	71 54	72 01	71 57	62.3	Time, 12*h*. 50*m*.
			71 53	71 59	71 56	....	
			71 53	71 57	71 55	....	
		West	72 10	72 18	72 14	....	
			72 14	72 18	72 16	....	
			72 20	72 23	72 21	....	
	West	East	71 33	71 33	71 33	62.8	
			71 33	71 33	71 33	....	
			71 35	71 34	71 34	....	
		West	72 05	72 01	72 03	....	
			72 02	72 09	72 05	....	Needle No. 1, (Lloyd,) with A end
			71 57	71 56	71 56	63.	north, gives 71° 57′.1.
A	West	West	71 40	71 36	71 38	62.8	Time, 13*h*. 20*m*.
			71 33	71 31	71 32	....	
			71 37	71 34	71 35	....	
		East	71 50	71 47	71 48	....	
			71 42	71 40	71 41	....	
			71 41	71 40	71 40	64.	
	East	West	72 02	72 02	72 02	....	
			72 00	72 00	72 00	....	
			72 06	72 06	72 06	....	
		East	71 52	71 52	71 52	....	
			71 55	71 54	71 54	....	Needle No. 3, (Lloyd,) with A end
			71 50	71 51	71 50	63.8	north, gives 71° 48′.37.

SEPTEMBER 12.] MAGNETIC INTENSITY. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	* 20 46	† 20 47	20 46	62.8	Time, 14*h*.
			20 50	20 50	20 50	....	
			20 43	20 43	20 43	....	
		West	22 04	22 04	22 04	....	
			22 09	22 09	22 09	....	
			22 19	22 19	22 19	....	Pin weight in third hole.
	West	East	20 38	20 38	20 38	62.5	
			20 39	20 38	20 38	....	
			21 00	21 00	21 00	....	
		West	22 43	22 41	22 42	....	
			22 27	22 26	22 26	....	Needle No. 3, (Lloyd,) with A end north, gives 21° 33′.96.
			22 32	22 30	22 31	....	

SEPTEMBER 19.] MAGNETIC DIP. [1843.

B	East	East	72 34	72 36	72 35	78.6	Time, 9*h*.
			72 27	72 29	72 28	....	
			72 24	72 26	72 25	....	
		West	72 07	72 11	72 09	....	
			72 00	72 08	72 04	....	Needle makes 20 oscillations in 59 seconds of time.
			71 53	72 01	71 57	....	
	West	East	71 40	71 43	71 41	79.4	
			72 02	72 05	72 03	....	
			72 01	72 03	72 02	....	
		West	71 27	71 29	71 28	....	
			71 38	71 34	71 36	....	Needle No. 1, with B end north,
			71 28	71 25	71 26	80.2	gives 71° 59′.62.
A	East	West	72 19	72 09	72 14	81.4	Time, 10*h*. 20*m*.
			72 38	72 28	72 33	....	
			72 42	72 32	72 37	....	
		East	71 00	70 56	70 58	81.7	Needle makes 20 oscillations in 68 seconds of time.
			71 18	71 16	71 17	....	
			71 15	71 18	71 16	....	
	West	West	72 44	72 38	72 41	82.	
			72 32	72 24	72 28	....	Needle No. 1 gives—
			72 24	72 18	72 21	....	With B end north..... 71° 59′.62
		East	72 00	72 03	72 01	....	With B end south..... 72 02 .87
			72 05	72 07	72 06	....	
			72 01	72 02	72 01	82.8	Dip by 24 observations...72 01 .25

* Above. † Below.

SEPTEMBER 26. MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	West	West	72 20	72 14	72 17	69.6	Time, 9*h*. 30*m*.
			72 32	72 26	72 29	....	
			72 41	72 33	72 37	....	
		East	71 19	71 22	71 20	69.7	
			71 20	71 23	71 21	....	Needle makes 20 oscillations in 68 seconds of time.
			71 17	71 16	71 16	....	
	East	West	72 40	72 33	72 36	69.5	
			72 25	72 20	72 22	....	
			72 40	72 32	72 36	....	
		East	72 11	72 12	72 11	69.7	
			71 55	71 55	71 55	....	Needle No. 1, with A end north,
			71 56	71 56	71 56	69.2	gives 72° 04′.09.
B	East	East	72 30	72 26	72 28	68.8	Time, 10*h*. 15*m*.
			72 23	72 18	72 20	....	
			72 22	72 17	72 19	....	
		West	72 07	72 04	72 05	68.9	Needle makes 20 oscillations in 59
			72 00	71 57	72 58	....	seconds of time.
			72 06	72 02	72 04	....	
	West	East	72 05	72 00	72 02	68.2	
			71 50	71 43	71 46	....	Needle No. 1 gives—
			71 58	71 54	71 56	....	With A end north.....72° 04′.09
		West	71 35	71 32	71 33	68.	With A end south.....72 03 .12
			71 35	71 32	71 33	....	
			71 33	71 26	71 29	68.1	Dip by 24 observations...72 03 .55

OCTOBER 3.] [1843.

B	West	West	71 16	71 13	71 14	61.7	Time, 9*h*.
			71 12	71 09	71 10	....	
			71 03	71 00	71 01	....	
		East	71 52	71 53	71 52	61.7	
			71 50	71 50	71 50	....	Needle makes 20 oscillations in 59
			72 00	72 01	72 00	....	seconds of time.
	East	West	71 55	71 57	71 56	61.8	
			72 04	72 05	72 04	....	
			71 56	71 57	71 56	....	
		East	72 23	72 27	72 25	62.6	
			72 10	72 16	72 13	....	Needle No. 1, with B end north,
			72 04	72 04	72 04	62.7	gives 71° 49′.04.
A	East	East	72 14	72 10	72 12	62.1	Time 9*h*. 50*m*.
			72 22	72 19	72 20	....	
			72 16	72 14	72 15	....	
		West	71 50	71 54	71 52	62.3	Needle makes 20 oscillations in 57
			71 45	71 47	71 46	....	seconds of time.
			71 41	71 42	71 41	....	
	West	East	71 58	71 54	71 56	62.3	
			71 38	71 34	71 36	....	Needle No. 1 gives—
			71 47	71 43	71 45	....	With B end north.....71° 49′.04
		West	72 00	71 52	71 56	62.3	With B end south.....71 55 .17
			71 48	71 52	71 50	....	
			71 51	71 53	71 52	62.3	Dip by 24 observations...71 52 .10

October 10.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
A	East	East	° ′ 72 27	° ′ 72 29	° ′ 72 28	° 53.8	Time, 9h. 15m.
			72 17	72 19	72 18	....	
			72 16	72 18	72 17	....	
		West	72 07	72 07	72 07	....	
			72 03	72 03	72 03	....	Needle makes 20 oscillations in 57
			71 50	71 53	71 51	....	seconds of time.
	West	East	71 49	71 41	71 45	54.	
			71 50	71 45	71 47	....	
			71 49	71 44	71 46	....	
		West	71 47	71 42	71 44	....	
			71 43	71 36	71 39	....	Needle No. 1, with A end north,
			71 38	71 33	71 35	54.3	gives 71° 56′.92.
B	West	West	71 32	71 28	71 30	55.	Time, 9h. 50m.
			71 33	71 31	71 32	....	
			71 44	71 43	71 43	....	
		East	71 30	71 33	71 31	55.7	Needle makes 20 oscillations in 58
			71 30	71 33	71 31	....	seconds of time.
			71 28	71 30	71 29	....	
	East	West	72 25	72 22	72 23	56.	
			72 14	72 12	72 13	....	Needle No. 1 gives—
			72 10	72 07	72 08	....	With A end north.....71° 56′.92
		East	72 21	72 18	72 19	55.9	With A end south.....71 55.17
			72 20	72 22	72 21	....	
			72 18	72 20	72 19	56.1	Dip by 24 observations...71 56.04

October 17.] [1843.

B	East	East	71 48	71 56	71 52	47.9	Time, 9h. 20m.
			72 00	72 07	72 03	....	
			72 06	72 15	72 10	....	
		West	72 08	72 17	72 12	48.8	
			72 00	72 12	72 06	....	Needle makes 20 oscillations in 58
			72 07	72 16	72 11	....	seconds of time.
	West	East	71 46	71 36	71 41	48.8	
			71 45	71 34	71 39	....	
			71 41	71 30	71 35	....	
		West	71 25	71 22	71 23	49.	
			71 34	71 32	71 33	....	Needle No. 1, with B end north,
			71 42	71 40	71 41	49.5	gives 71° 50′.75.
A	West	West	72 06	71 56	72 01	49.	Time, 10h. 5m.
			72 14	72 04	72 09	....	
			72 11	72 01	72 06	....	
		East	71 33	71 26	71 29	49.3	Needle makes 20 oscillations in 60
			71 29	71 22	71 25	....	seconds of time.
			71 36	71 28	71 32	....	
	East	West	72 20	72 21	72 20	49.6	
			72 18	72 20	72 19	....	Needle No. 1 gives—
			71 54	71 56	71 55	....	With B end north.....71° 50′.75
		East	72 20	72 27	72 23	50.4	With B end south.....72 00.67
			72 11	72 18	72 14	....	
			72 09	72 16	72 12	51.	Dip by 24 observations...71 55.71

October 24.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	72 07	72 12	72 09	41.7	Time, 9*h*. 25*m*.
			72 13	72 17	72 15	....	
			72 07	72 12	72 09	....	
		West	72 20	72 22	72 21	....	
			72 24	72 26	72 25	41.7	Needle makes 20 oscillations in 60
			72 24	72 26	72 25	....	seconds of time.
	West	East	71 44	71 32	71 38	41.7	
			71 28	71 17	71 22	....	
			71 43	71 33	71 38	....	
		West	71 56	71 47	71 51	....	
			71 58	71 49	71 53	42.	Needle No. 1 with A end north,
			71 58	71 47	71 52	42.1	gives 72° 00′.08.
B	West	West	71 53	71 55	71 54	42.3	Time, 9*h*. 55*m*.
			71 30	71 31	71 30	....	
			71 49	71 49	71 49	....	
		East	71 31	71 24	71 27	....	Needle makes 20 oscillations in 64
			71 18	71 10	71 14	....	seconds of time.
			71 14	71 04	71 09	....	
	East	West	72 46	72 48	72 47	43.2	
			72 46	72 47	72 46	....	Needle No. 1 gives—
			72 31	72 29	72 30	....	With A end north.....72° 00′.08
		East	71 49	71 57	71 53	....	With A end south.....71 53 .42
			71 50	71 57	71 53	....	
			71 44	71 50	71 47	45.	Dip by 24 observations...71 56. 75

October 31.] [1843.

B	East	East	71 48	71 48	71 47	38.	Time, 9*h*. 15*m*.
			71 47	71 51	71 49	....	
			71 45	71 48	71 46	....	
		West	72 27	72 31	72 29	38.	
			72 35	72 37	72 36	....	Needle makes 20 oscillations in 64
			72 21	72 21	72 21	....	seconds of time.
	West	East	71 38	71 33	71 35	38.	
			71 22	71 16	71 19	....	
			71 31	71 23	71 27	....	
		West	71 38	71 27	71 32	38.2	
			71 45	71 34	71 39	....	Needle No 1, with B end north,
			71 57	71 44	71 50	38 3	gives 71° 51′.
A	West	West	72 08	72 06	72 07	38.8	Time, 9*h*. 50*m*.
			71 54	71 50	71 52	....	
			72 00	71 55	71 57	....	
		East	71 20	71 10	71 15	38.9	Needle makes 20 oscillations in 65
			71 30	71 23	71 26	....	seconds of time.
			71 23	71 15	71 19	....	
	East	West	72 34	72 26	72 30	38.8	
			72 38	72 32	72 35	....	Needle No. 1 gives—
			72 33	72 27	72 30	....	With B end north.....71° 51′.00
		East	71 47	71 53	71 50	....	With B,end south.....71 56 .29
			72 04	72 11	72 07	....	
			71 43	71 49	71 46	39.9	Dip by 24 observations...71 53 .64

NOVEMBER 7.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	71 48	71 57	71 52	34.	Time, 9*h*. 25*m*.
			72 06	72 13	72 09	....	
			71 57	72 03	72 00	....	
		West	72 29	72 23	72 26	34.1	
			72 36	72 30	72 33	....	Needle makes 20 oscillations in 65
			72 41	72 37	72 39	....	seconds of time.
	West	East	71 12	71 07	71 09	34.2	
			71 29	71 23	71 26	....	
			71 12	71 06	71 09	....	
		West	72 24	72 18	72 21	34.4	
			72 16	72 10	72 13	....	Needle No. 1, with A end north,
			72 18	72 13	72 15	34.7	gives 72° 01′.16.
B	West	West	72 04	72 02	72 03	35.1	Time, 10*h*. 5*m*.
			72 08	72 07	72 07	....	
			72 16	72 17	72 16	....	
		East	71 10	71 00	71 05	35.5	Needle makes 20 oscillations in 65
			71 15	71 03	71 09	....	seconds of time.
			71 22	71 11	71 16	....	
	East	West	72 26	72 16	72 21	35.7	
			72 20	72 14	72 17	....	Needle No. 1 gives—
			72 17	72 11	72 14	....	With A end north.....72° 01′.16
		East	71 53	71 43	71 48	35.8	With A end south.....71 51.54
			71 50	71 47	71 48	....	
			71 54	71 51	71 52	35.9	Dip by 24 observations...71 56.35

NOVEMBER 14.] [1843.

B	East	East	71 38	71 43	71 40	31.8	Time, 9*h*. 50*m*.
			71 48	71 54	71 51	....	
			71 52	71 54	71 53	....	
		West	72 30	72 33	72 31	33.5	
			72 40	72 41	72 40	....	Needle makes 20 oscillations in 65
			72 50	72 48	72 49	....	seconds of time.
	West	East	71 13	71 08	71 10	33.8	
			71 23	71 17	71 20	....	
			71 27	71 23	71 25	....	
		West	72 05	72 01	72 03	34.	
			72 03	72 00	72 01	....	Needle No. 1, with B end north,
			72 07	72 03	72 05	34.1	gives 71° 57′.54.
A	West	West	72 07	72 15	72 11	34.2	Time, 10*h*. 45*m*.
			72 00	72 10	72 05	....	
			71 55	72 05	72 00	....	
		East	71 34	71 32	71 33	34.2	Needle makes 20 oscillations in 65
			71 10	71 07	71 08	....	seconds of time.
			71 17	71 11	71 14	....	
	East	West	72 40	72 31	72 35	34.	
			72 49	72 40	72 44	....	Needle No. 1 gives—
			72 46	72 36	72 41	....	With B end north.....71° 57′.54
		East	72 00	72 04	72 02	34.1	With B end south.....72 00.70
			71 52	71 57	71 54	....	
			71 59	72 00	71 59	34.1	Dip by 24 observations...71 59.12

NOVEMBER 21.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	71 56	71 54	71 55	48.7	Time, 9*h*. 50*m*.
			72 03	72 01	72 02	....	
			72 09	72 06	72 07	....	
		West	72 47	72 37	72 42	48.3	
			72 42	72 33	72 37	....	Needle makes 20 oscillations in 65
			72 44	72 35	72 39	....	seconds of time.
	West	East	71 25	71 18	71 21	48.4	
			71 23	71 17	71 20	....	
			71 25	71 20	71 22	....	
		West	72 02	72 02	72 02	48.3	
			72 05	72 05	72 05	....	Needle No. 1, with A end north,
			72 11	72 11	72 11	48.	gives 72° 02′.12.
B	West	West	71 30	71 20	71 25	47.8	Time, 10*h*. 30*m*.
			71 07	71 10	71 08	....	
			71 04	71 06	71 05	....	
		East	71 36	71 42	71 39	47.7	Needle makes 20 oscillations in 67
			72 12	72 05	72 08	....	seconds of time.
			71 58	71 48	71 53	....	
	East	West	72 17	72 11	72 14	47.8	
			71 55	71 49	71 52	....	Needle No. 1 gives—
			72 02	71 53	71 57	....	With A end north.....72° 02′.12
		East	72 09	72 09	72 09	47.7	With A end south.....71 47.75
			71 59	71 59	71 59	....	
			72 03	72 02	72 02	47.7	Dip by 24 observations...71 54.94

NOVEMBER 28.] [1843.

B	East	East	71 58	71 58	71 58	29.5	Time 9*h*. 50*m*.
			71 52	71 53	71 52	....	
			72 22	72 22	72 22	....	
		West	72 03	72 04	72 03	29.2	
			72 05	72 07	72 06	....	Needle makes 20 oscillations in 67
			72 18	72 17	72 17	....	seconds of time.
	West	East	71 41	71 29	71 35	30.	
			71 37	71 26	71 31	....	
			71 58	71 52	71 55	....	
		West	71 27	71 21	71 24	29.9	
			71 18	71 12	71 15	....	Needle No. 1, with B end north,
			71 21	71 13	71 17	30.7	gives 71° 48′.08.
A	West	West	71 44	71 52	71 48	32.	Time, 11*h*.
			71 57	71 57	71 57	....	
			72 05	72 06	72 05	....	
		East	71 27	71 26	71 26	32.1	Needle makes 20 oscillations in 65
			71 39	71 38	71 38	....	seconds of time.
			71 26	71 25	71 25	....	
	East	West	72 35	72 32	72 33	32.7	
			72 43	72 37	72 40	....	Needle No. 1 gives—
			72 22	72 11	72 16	....	With B end north..... 71° 48′.08
		East	72 16	72 22	72 19	34.6	With B end south..... 72 02.54
			72 20	72 18	72 19	....	
			72 02	72 01	72 01	34.5	Dip by 24 observations.. 71 55.31

DECEMBER 5.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	72 15	72 23	72 19	36.2	Time, 9*h*. 50*m*.
			72 16	72 22	72 19	....	
			72 14	72 23	72 18	....	
		West	72 20	72 12	72 16	....	Needle makes 20 oscillations in 65
			72 29	72 23	72 26	36.3	seconds of time.
			72 43	72 34	72 38	....	
	West	East	71 22	71 19	71 20	36.3	
			71 25	71 22	71 23	....	High wind from the northwest; very
			71 33	71 29	71 31	36.3	difficult to get the needle quiet.
		West	72 02	71 59	72 00	....	
			72 01	72 01	72 01	....	Needle No. 1, with A end north,
			71 50	71 48	71 49	36.5	gives 72° 01′.87.
B	West	West	71 35	71 35	71 35	36.5	Time, 10*h*. 50*m*.
			71 12	71 12	71 12	....	
			71 09	71 07	71 08	....	Needle makes 20 oscillations in 50
		East	72 00	71 52	71 56	....	seconds of time.
			71 57	71 48	71 52	....	
			71 59	71 50	71 54	....	New magnets.
	East	West	71 49	71 49	71 49	....	
			71 52	71 52	71 52	36.3	Needle No. 1 gives—
			71 51	71 50	71 50	....	With A end north.....72° 01′.87
		East	72 23	72 33	72 28	....	With A end south.....71 51.71
			72 18	72 25	72 21	36.4	
			72 18	72 25	72 21	36.4	Dip by 24 observations...71 56.79

DECEMBER 12.] [1843.

B	East	East	72 48	72 44	72 46	36.	Time, 10*h*. 15*m*.
			72 30	72 27	72 28	....	
			72 32	72 28	72 30	....	
		West	72 10	72 10	72 10	35.7	
			72 01	72 02	72 01	....	Needle makes 20 oscillations in 50
			72 00	72 01	72 00	....	seconds of time.
	West	East	72 04	71 53	71 58	35.7	
			71 59	71 48	71 53	....	
			72 00	71 49	71 54	....	
		West	71 32	71 20	71 26	35.5	
			71 19	71 08	71 13	....	Needle No. 1, with B end north,
			71 23	71 12	71 17	35.2	gives 71° 58′.33.
A	West	West	71 49	71 39	71 44	35.	Time, 11*h*. 10*m*.
			71 50	71 37	71 43	....	
			72 03	71 52	71 57	....	
		East	71 50	71 43	71 46	34.8	Needle makes 20 oscillations in 46
			71 53	71 44	71 48	....	seconds of time.
			71 51	71 43	71 47	....	
	East	West	72 16	72 12	72 14	34.7	
			72 16	72 11	72 13	....	Needle No. 1 gives—
			72 12	72 06	72 09	....	With B end north.....71° 58′.33
		East	72 16	72 11	72 13	35.7	With B end south.....72 05.75
			72 20	72 14	72 17	....	
			72 20	72 15	72 17	35.2	Dip by 24 observations...72 02.04

DECEMBER 19.] MAGNETIC DIP. [1843.

End of needle pointed north.	Face of instrument.	Marked side of needle.	North end of needle.	South end of needle.	Mean of both readings.	Therm., Fah.	Remarks.
			° ′	° ′	° ′	°	
A	East	East	72 18	72 12	72 15	34.1	Time, 9*h*. 50*m*.
			72 16	72 10	72 13	....	
			72 20	72 14	72 17	....	
		West	72 07	72 08	72 07	34.2	
			72 05	72 05	72 05	....	Needle makes 20 oscillations in 46
			72 10	72 10	72 10	....	seconds of time.
	West	East	71 47	71 38	71 42	34.1	
			71 37	71 31	71 34	....	
			71 43	71 37	71 40	....	
		West	71 55	71 46	71 50	34.7	
			72 06	71 56	72 01	....	Needle No. 1, with A end north,
			71 57	71 47	71 52	35.2	gives 71° 58′.96.
B	West	West	71 45	71 33	71 39	35.8	Time, 10*h*. 35*m*.
			71 47	71 36	71 41	....	
			71 43	71 32	71 37	....	
		East	71 50	71 39	71 44	35.9	Needle makes 20 oscillations in 46
			71 51	71 39	71 45	....	seconds of time.
			71 48	71 37	71 42	....	
	East	West	71 58	71 58	71 58	36.1	
			71 54	71 54	71 54	....	Needle No. 1 gives—
			71 57	71 59	71 58	....	With A end north.....71° 58′.96
		East	72 10	72 10	72 10	35.8	With A end south.....71 51.83
			72 06	72 06	72 06	....	
			72 06	72 06	72 06	35.9	Dip by 24 observations...71 55.39

DECEMBER 26.] [1843.

B	East	East	72 09	72 06	72 07	38.2	Time, 10*h*. 20*m*.
			72 06	72 03	72 04	....	
			72 04	72 01	72 02	....	
		West	71 59	71 59	71 59	38.3	
			72 08	72 08	72 08	....	Needle makes 20 oscillations in 46
			71 56	71 56	71 56	....	seconds of time.
	West	East	71 47	76 40	71 43	38.4	
			71 50	71 44	71 47	....	
			71 53	71 46	71 49	....	
		West	71 41	71 41	71 41	38.8	
			71 33	71 32	71 32	....	Needle No. 1, with B end north,
			71 41	71 40	71 40	39.1	gives 71° 52′.62.
A	West	West	72 05	72 06	72 05	39.5	Time, 11*h*.
			72 08	72 07	72 07	....	
			72 06	72 06	72 06	....	
		East	71 29	71 28	71 28	39.6	Needle makes 20 oscillations in 46
			71 30	71 30	71 30	....	seconds of time.
			71 30	71 30	71 30	....	
	East	West	72 26	72 14	72 20	39.8	
			72 32	72 22	72 27	....	Needle No. 1 gives—
			72 26	72 16	72 21	....	With B end north..... 71° 52′.62
		East	71 58	72 02	72 00	40.	With B end south..... 72 00.52
			72 08	72 12	72 10	....	
			71 59	72 03	72 01	40.2	Dip by 24 observations...71 56.57

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY METEOROLOGICAL OBSERVATIONS,

FROM JANUARY TO JUNE, 1843.

GENERAL NOTES.

During the first three months of 1843, meteorological observations were taken twice each day, as shown in the annexed record.

The self-registering anemometer and rain gauge were still used, and the hourly record furnished by the papers is appended to the observations of the other instruments.

In April, the full series was resumed, under the circumstances already stated in the general notes to the magnetic observations.

Hourly observations, with a new dew point hygrometer invented by me in 1842, were commenced in April; and, beginning with May, a column for the dew point, computed from the evaporating point, is added to the table, to facilitate comparison of the observed and computed dew points.

The day observations of the thermometer with the bulb blackened, and the night observations of the one covered with the flock of wool, were discontinued.

Day.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, &c.
Jan. 2	....	.....	.....	....	....	....	....	..	
3	11.3	759.65	29.850	27.9	21.9	.120	66.	..	Some few Cu.
4	2.1	769.65	30.288	12.	10.5	.076	65.	.8	Ci, Ci-cu.
5	11.2	765.75	30.090	30.	27.7	.145	‡....	1.0	Ci., Ci s.
6	13.5	766.60	30.113	33.5	31.5	.173	....	1.0	Cu., Ci s.
7	18.3	767.25	30.115	38.5	38.2	.245	....	1.0	Ci., Ci-s., foggy.
9	16.1	767.45	30.134	37.	33.7	.174	....	.8	Ci., Cu.
10	17.6	766.15	30.076	41.3	41.	.270	....	1.0	S., heavy fog.
11	17.3	765.75	30.061	41.5	40.3	.253	....	..	Cu. in *E.*
12	18.8	763.95	29.982	41.1	38.7	.226	....	1.0	Cu., Ci-s.
13	17.2	753.45	29.579	42.2	41.2	.265	....	1.0	N.
14	16.2	757.60	29.747	29.4	25.9	.124	....	.1	Cu.
16	15.3	770.45	30.255	35.4	32.2	.165	....	..	Clear.
17	18.5	778.85	30.570	28.5	26.4	.142	....	..	Clear.
18	15.1	778.70	30.562	30.2	28.5	.159	....	.1	Thin Ci.
*19	22.	772.45	30.302	33.	32.4	.195	....	1.0	S.
20	17.4	769.20	30.196	47.	44.	.270	....	1.0	Ci., Ci s., N., slight rain.
†21	15.5	766.50	30.099	39.5	39.	.249	....	1.0	S., thick fog.
23	7.5	757.95	29.803	35.	32.5	.175	....	.1	Ci., Ci s.
24	21.	743.65	29.176	47.3	42.8	.241	....	.9	Cu.
25	14.3	750.85	29.490	34.2	29.2	.124	....	..	A few Ci.
26	....	.....	.....	....	....	....	....	..	Clear.
27	15.3	767.45	30.138	28.	26.1	.142	....	1.0	Ci-s.
28	17.9	758.50	29.774	36.6	35.7	.217	100.?	1.0	Ci-s.
30	12.	767.10	30.141	24.9	22.5	.115	95.?	.2	Ci-s., Ci.
31	17.	752.00	29.524	48.5	47.5	.332	99.?	1.0	N., fine drizzle.

NOTE.—For the observations of wind and rain, see the records immediately preceding the meteorological observations in April, 1843.

* Magnetic term day; observations taken at 7*h*.

† Taken at time of minimum temperature, 8*h*. 25*m*.

‡ Hair broken.

Day.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Obs'd dew point, Fahrenheit.	Calculated dew p'nt.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, &c.
Jan. 2	6.1	757.05	29.791	41.8	38.8	.219	33.	34.6	75.	.1	Scattered Cu. and Ci.
3	9.	764.00	30.031	21.9	17.6	.074	3.5	5.1	48.	..	Clear.
4	6.2	767.15	30.170	27.2	23.3	.106	....	....	†..	..	A few Ci.
5	13.	764.75	30.043	40.9	35.9	.171	26.	27.7	..	1.0	Cu.,) Ci-s.
6	14.	766.10	30.091	41.	38.6	.225	34.	35.4	..	1.0	N.,) Ci-s.
7	18.4	765.00	30.026	53.5	50.2	.338	46.	47.1	..	1.0	Cu. [raining.
9	19.	767.05	30.104	50.1	47.2	.306	42.	44.2	..	.8	Cu., Ci.; 8*h.* 30*m.*, 13*h.*, 22*h.*, 23*h.*,
10	20.3	762.50	29.919	62.5	60.6	.512	59.	59.3	..	.9	Cu., Ci-s.
11	20.	765.85	30.052	52.5	48.2	.302	43.	43.8	..	1.0	Cu., Ci-s.) [raining.
12	19.9	760.30	29.835	49.2	45.	.266	40.	40.2	..	1.0	Ci., Cu., Ci-cu.; 22*h.*, commenced
13	17.3	751.80	29 514	44.2	38.4	.184	29.	29.7	..	.8	Cu.; 2*h.* 30*m.*, ceased raining.
14	12.4	757.30	29.753	33.8	28.7	.125	17.	19.2	..	.8	Cu., Ci., Ci s.
16	21.8	773.00	30.324	45.4	40.	.202	32.	32.4	..	..	Clear.
17	19.7	779.00	30.570	41.8	36.7	.176	28.	28.5	..	..	Clear.
18	20.	775.55	30.433	46.3	42.	.234	36.	36.5	..	..	Clear.
*19	20.5	769.60	30.194	50.	46.2	.285	....	....	..	.8	Ci., Ci-s.
20	25.1	769.50	30.171	61.5	54.9	.366	48.7	49.4	..	.2	Cu., Ci., Ci-cu.
21	17.	762.05	29.917	59.2	53.8	.363	49.	49.2	..	.8	Ci., and fleecy Ci.
23	8.7	751.25	29.532	46.9	41.4	.216	33.5	34.3	..	1.0	Ci-s. [raining.
24	17.5	744.05	29.208	39.2	33.2	.141	22.	22.3	..	.5	Cu., Ci., Ci-s.; 13*h.*, 13*h.* 10*m.*,
25	19.1	750.05	29.436	40.5	34.4	.149	23.5	25.9	..	.7	Cu., Ci-s.
26	16.	765.15	30.043	33.6	29.	.132	19.	20.6	..	..	Clear. [ing.
27	18.1	765.45	30.046	41.8	36.9	.181	28.	29.3	65.	1.0	Ci-s.; 19*h.* 50*m.*, 20*h.* 50*m.*, rain-
28	20.6	759.65	29.805	44.3	39.	.195	31.	31.4	79.	1.0	Cu., Ci-s.; 3*h.*, 4*h.*, 5*h.* 50*m.*, 6½*h.*, r'g.
30	17.7	763.90	29.986	38.8	34.9	.177	28.	28.6	82.	1.0	Ci-s. [17*h.*, raining.
31	22.1	739.30	29.000	55.	53.5	.405	52.	52.4	98.	1.0	N., raining.; 0*h.* 15*m.*, 2*h.*, 8*h.* 30*m.*,

* Magnetic term day; observations taken at 2*h.* P. M.

† Hair broken.

Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, &c.
h.									
17	18.	774.75	30.411	42.	40.5	.252	*....	.1	Ci-s.
18	18.	774.50	30.401	41.4	39.	.228	....	.1	Ci-s.
19	18.7	774.75	30.408	40.	37.5	.214	....	.1	Ci-s.
20	18.5	774.70	30.406	39.	37.	.215	....	..	Clear.
21	18.3	774.20	30.387	38.	36.4	.215	....	..	Clear.
22	17.9	773.70	30.370	35.6	34.1	.198	....	..	Clear.
23	17.5	773.50	30.365	33.8	32.8	.194	....	..	Clear.
0	18.5	773.55	30.361	32.2	31.	.180	....	.1	Cu. and Ci.
1	18.9	773.15	30.352	32.6	32.1	.194	....	.2	Thin Ci.
2	20.2	773.20	30.339	32.2	31.	.180	....	..	Thin Ci.
3	20.3	772.55	30.313	32.	31.5	.191	....	..	Thin Ci.
4	21.5	772.40	30.302	30.3	29.	.166	....	..	Clear.
5	21.5	772.30	30.298	31.	30.	.176	....	..	Clear.
6	22.	772.45	30.301	32.	31.5	.193	....	.4	S.
7	22.	772.45	30.301	33.	32.4	.195	....	1.0	S.
8	20.6	772.40	30.306	31.	30.5	.184	....	.5	S.
9	19.2	772.00	30.297	35.	34.	.203	....	.2	S., thick fog.
10	19.5	772.00	30.295	36.2	35.	.208	....	1.0	S.
11	....	.....	.....	38.5	37.5	.231	....	1.0	S.
12	17.9	770.60	30.247	44.	42.	.260	....	.5	Ci., Ci-s.
13	19.7	770.15	30.221	48.	44.9	.278	....	.9	Ci., Ci s.
14	20.5	769.60	30.194	50.	46.2	.285	....	.8	Ci., Ci s.
15	22.5	769.65	30.188	51.7	47.4	.293	....	1.0	Thin Ci., Ci-s., Ci-cu.
16	22.9	769.50	30.180	53.	48.	.292	....	1.0	Ci., Ci-s.

* Hair broken.

Day.	Barometer.			Thermometers, Fah.		Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, &c.
	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				
Feb. 1	17.	747.75	29.357	34.7	30.	.139	74.	1.0	Ci., Ci-s.
2	8.4	758.25	29.809	18.6	15.7	.181	69.	.1	Scattered Cu. and Ci.
3	13.7	769.25	30.217	22.	20.	.109	76.	1.0	Ci.,? Ci-s., Ci-cu.?
4	15.4	768.80	30.191	22.2	21.5	.130	96.	.6	Ci., Ci-s.
6	13.1	745.85	29.304	22.9	20.	.100	78.	1.0	Ci., Ci-s., Cu.
7	7.	755.80	29.720	12.9	11.5	.080	82.	.7	Ci., Ci-s., Cu.
8	3.3	767.55	30.199	11.1	9.7	.074	75.	..	Ci s. at *S.*
9	....	.....	.....	....	....	....	....	..	
10	11.2	773.65	30.402	19.7	17.7	.099	77.	1.0	Ci-s.
11	19.8	753.90	29.588	44.2	43.	.280	99.5	1.0	Ci-s., N., raining.
13	10.2	766.45	30.123	25.1	23.8	.135	93.	.7	Ci cu., Ci., Ci-s.
14	8.	762.50	29.978	22.1	22.	.138	101.?	1.0	N., slight drizzle.
15	13.3	749.25	29.431	31.5	30.5	.179	99.	1.0	N , hailing and raining.
16	7.5	761.75	29.953	15.	13.5	.087	75.	..	A few Cu.
17	0.0	766 60	30.179	14 8	13.	.082	71.	1.0	Ci., Cu., Ci-s.
18	8.	769.05	30.236	12.5	11.5	.084	75.	1.0	Ci., Ci-s.
20	14.3	753.75	29.604	32.5	30.3	.166	96.	.3	Ci., Ci-s
21	15.3	752.80	29.564	23.2	20.	.097	76.	1.0	Ci., Ci-s.
22	19.8	754.65	29.615	35.3	32.5	.172	90.5	1.0	Ci., Ci-s.
23	12.	759.80	29.853	17.4	15.2	.086	62.	.8	Ci , Ci-cu.
24	16.8	759 20	29.806	27.2	24.	.117	66.	1.0	Ci-s.
*25	18.	756.65	29.700	23.	22.5	.137	102.?	.8	Cu., S.
27	11.2	753.40	29.606	33.	31.2	.176	87.	.3	Cu., Ci., Ci-s.
28	18.1	766.50	30.088	32.3	29.3	.151	73.	.9	Cu., Ci., Ci-cu.

* Taken at 6*h*.

Day.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	(Obs'd dew point, Fahrenheit.	Calculated dew pt.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, &c.
Feb. 1	16.3	747.25	29.339	28.6	24.5	.111	13.	15.9	70.	.9	Cu., Ci-s.
2	10.	762.75	29.978	27.3	22.2	.088	....	....	59.	.2	Flying Cu.
3	16.1	766.70	30.105	35.7	30.2	.131	....	....	61.	1.0	Cu., ? Ci-s.
4	16.9	766.65	30.099	43.2	37.	.167	26.	27.	66.	.9	Ci-s., thin Ci.
6	12.2	747.80	29.381	22.6	18.9	.087	....	....	69.	.9	Cu., Ci., Ci s.
7	8.3	757.95	29.798	22.7	19.2	.089	7.5	9.8	74.	..	A few Ci.
8	8.1	766.80	30.147	19.4	16.7	.088	7.	9.6	70.	.9	Cu., Ci-s.
9	10.8	770.80	30.291	26.	22.6	.107	14.	14.8	70.	1.0	Ci-s.
10	12.1	770.65	30.278	32.5	29.3	.149	23.5	23.9	88.	1.0	Ci-s, ? Cu.; 20*h.*, commenced raining.
11	17.3	757.60	29.741	40.9	33.5	.126	19.5	19.4	66.	..	A few Ci. at *S.*; 7*h.*, ceased raining.
13	13.9	764.70	30.037	25.7	24.3	.137	21.	21.5	93.	1.0	Ci-s., Cu.?
14	8.1	758.20	29.809	24.2	23.7	.143	22.	22.8	100.	1.0	N.
15	11.	750.50	29.492	24.5	22.5	.122	17.	18.5	82.	1.0	Cu., Ci.; 3*h.* 15*m.*, 5*h.*, rain.
16	9.8	764.30	30.041	19.6	17.1	.091	....	....	77.	..	Clear.
17	— 1.3	762.05	30.006	21.9	19.9	.109	14.9	15.5	79.	1.0	N., snowing. [raining.
18	+13.	768.35	30.186	24.4	22.	.115	16.2	16.8	69.	.8	Cu., Ci s.; 9*h.* 15*m.*, commenced
20	7.	753.25	29.619	36.8	32.5	.155	25.	25.	86.5	.9	Ci., Ci-s; 0*h.* 30*m.*, ceased raining.
21	22.3	751.25	29.468	30.3	26.4	.124	18.5	18.8	78.	.9	Ci., Cu.
22	20.1	717.75	29.313	40.4	38.4	.228	34.3	35.8	94.	1.0	N., snowing.
23	2.3	758.65	29.855	28.	23.4	.099	....	....	70.	.1	Ci. in *S.*
24	20.	756.65	29.699	34.3	30.1	.144	22.5	22.9	71.5	1.0	Ci., Ci-s.
* 25	21.6	756.60	29.681	38.	33.2	.160	....	....	78.5	.1	Scattered Cu.
27	8.8	755.10	29.684	41.2	37.5	.201	32.1	32.3	91.	1.0	N.
28	20.	765.05	30.020	39.5	35.2	.174	28.	28.2	75.	1 0	Cu., Ci-s.; 6*h.*, 11*h.*, raining.

* Taken at 2*h.* P. M.

Observatory time.	Barometer.			Thermometers, Fah.		Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, &c.
	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				
h.									
17	20.1	756.40	29.680	....	....	....	80.	1.0	Ci-s.
18	18.8	756.40	29.686	31.1	28.	.142	85.5	1.0	Ci-s.
19	18 5	756.90	29.707	30.5	28.	.148	86.	1.0	Ci-s.
20	18.7	756.90	29.707	30.2	27.5	.143	90.	.9	Ci-s.
21	19.2	756.90	29.704	30.	27.5	.145	91.7	1.0	Ci s.
22	19.6	756.85	29.701	29.6	27.3	.145	94.	1.0	Ci-s.
23	19.5	756.90	29.703	29.8	27.5	.147	95.	1.0	Ci s.
0	20.	756.50	29.684	29.3	27.7	.155	97.	.6	Ci-s.
1	20.8	756.50	29.680	29.5	28.	.158	98.	.4	Ci-s.?
2	20.8	756.75	29.690	29.	27.5	.155	99.	.1	Ci s.?
3	20.5	756.75	29.691	29.	27.5	.155	99.	.2	Ci.
4	19.4	756.60	29.691	28.5	27.	.152	99.	.5	Cu.
5	19.5	756.60	29.691	25.7	24.5	.140	99.	..	A few Cu.
6	18.	756.65	29.700	23.	22.5	.137	102.?	.8	Cu, S.
7	18.5	757.35	29.725	25.	24.5	.147	100.	.5	Cu., hazy.
8	18.5	757.45	29.729	28.	27.5	.165	97.	.2	Ci-cu.
9	18.9	757.85	29.743	30.8	30.3	.183	92.	..	Clear.
10	20.	757.70	29.732	33.8	29.	.131	81.5	..	Clear.
11	20.7	757.50	29.721	36.2	31.8	.154	78.	..	Clear.
12	21.4	757.25	29.708	37.1	31.9	.147	76.3	..	Clear.
13	22.	756.90	29.691	38.5	33.	.152	79.	.1	Scattered Cu.
14	21.6	756.60	29.681	38.	33.2	.160	78.5	.1	Scattered Cu.
15	22.5	756.50	29.672	39.5	35.2	.180	79.5	..	Clear.
19	22.8	756.30	29.663	40.6	36.5	.193	79.4	..	Clear.

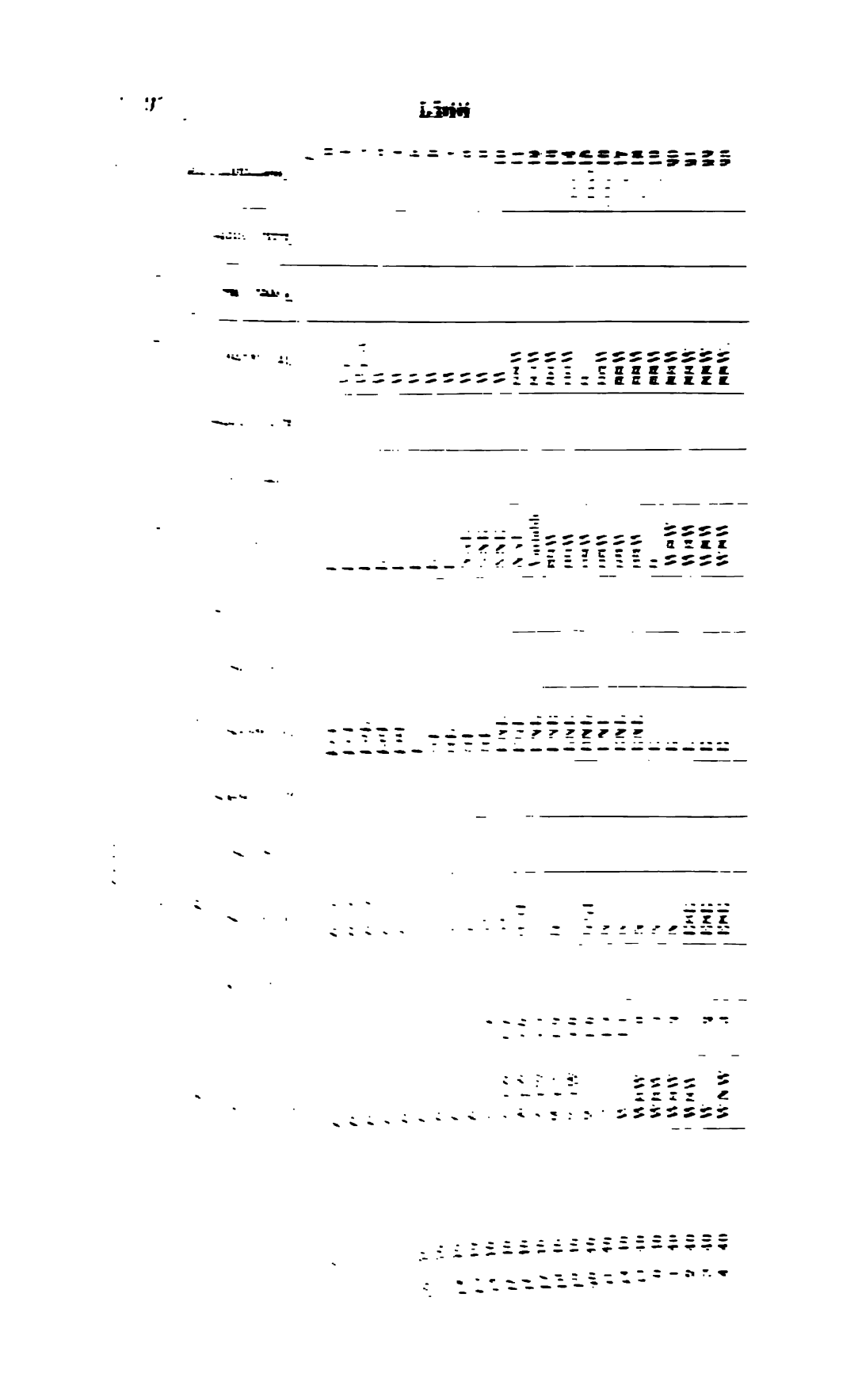
Day.	Barometer.			Thermometers, Fah.		Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, and direction of their strata.
	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dry.	Wet.				
Mar. 1	18 8	758.15	29.754	30.	28.	.153	87.	1.0	Ci-s., Ci.
2	8.7	761.85	29.950	17.1	14.6	.081	69.	..	Clear.
3	0.4	766.65	30.179	14.3	12.2	.076	74.	.6	Ci.
4	11.2	768.05	30.482	17.	14.7	.083	72.5	.3	Ci., Ci-s.
6	10.2	763.05	29.988	19.1	16.4	.086	67.	..	Clear.
7	13.8	767.75	30.157	20.4	17.	.081	66.5	.1	Light Ci s.
8	— 0.1	765.35	30.129	18.5	16.5	.094	70.	..	Clear.
9	+ 1.6	763.85	30.061	26.5	24.5	.132	93.	.2	Ci., Ci-s.
10	4.2	763.40	30.032	33.4	32.9	.200	101.?	1.0	N., very fine snow.
11	19.3	754.75	29.621	36.2	35.2	.212	98.	1.0	Cu., Ci-s.
13	20.4	760.65	29.846	33.3	32.3	.190	97.5	1.0	N., raining.
14	3.8	760.25	29.910	19.	15.1	.068	60.	..	Clear.
15	0.5	755.00	29.719	32.7	30.3	.164	88.	1.0	Ci-s.
16	15.3	763.95	30.000	31.4	27.	.122	64.	1.0	Ci-s.
17	11.6	743.85	29.228	26.	24.4	.136	92.	.8	Cu.,? Ci-s., Ci-cu.?
18	5.5	754.85	29.690	19.4	17.3	.096	76.	..	Clear.
20	— 3.2	754.65	29.725	16.8	15.	.089	83.5	..	Clear.
21	— 1.8	759.80	29.959	20.	†20.	....	82.	.8	Thin Ci., Ci-s.
22	— 1.8	755.80	29.762	23.1	22.	.128	95.	1.0	Cu., Ci-s.
23*	+16.5	752.85	29.560	20.	17.	.086	78.	.1	Cu.
24	8.	754.60	29.669	15.5	12.9	.073	73.	.1	Ci.
25	11.8	761.25	29.910	20.7	20.	.122	89.	1.0	Ci-s.
27	11.9	771.40	30.309	26.7	24.2	.126	65.	1.0	Ci-s.
28	12.9	747.10	29.350	49.1	48.6	.350	98.	1.0	N., raining.
29	4.3	755.45	29.719	32.7	28.	.126	72.	.2	Cu.
30	3.3	765.00	30.098	31.7	29.7	.164	89.8	.3	Ci-cu., Ci-s.
31	21.7	767.10	30.093	38.5	34.8	.178	86.3	1.0	Ci-s.

* Taken at 6*h*.

† Not wet.

Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, and direction of their strata.
h.									
17	...	.....	.....	....	....	....	....	..	
18	5.	751.50	29.560	34.	31.5	.171	84.9	.3	Cu., Ci., Ci-s.
19	9.4	752.15	29.565	31.8	30.	.168	88.	.1	Cu. at Hor.
20	13.2	752.50	29.560	31.5	29.5	.162	90.	..	Cu. at Hor.
21	15.5	752.75	29.560	31.4	29.5	.163	91.	..	Clear.
22	16.9	752.00	29.524	31.	29.3	.164	93.5	..	Clear.
23	18.4	751.45	29.495	31.3	29.3	.161	94.	.3	Ci-s.
0	19.5	751.60	29.495	31.6	29.7	.165	94.	1.0	N., snowing.
1	20.5	751.00	29.466	31.5	31.1	.189	100.	.4	Ci s.
2	20.6	751.00	29.466	30.8	30.5	.186	99.	.8	Ci-s.
3	20.3	750.90	29.465	29.3	28.5	.168	96.	1.0	N., snowing.
4	17.8	751.10	29.483	24.3	22.5	.124	89.	1.0	N., snowing.
5	16.2	751.60	29.511	22.	19.5	.102	79.	.1	Cu.
6	16.5	752.85	29.560	20.	17.	.086	78.	.1	Cu.
7	16.	753.25	29.577	18.5	16.5	.094	77.	..	Clear.
8	15.5	753.30	29.581	18.5	17.2	.104	76.	..	Clear.
9	14.	753.50	29.596	19.	18.	.110	74.	..	Clear.
10	11.5	753.25	29.599	19.2	16.5	.087	72.5	..	A few small Cu.
11	11.	753.00	29.590	18.5	15.3	.077	71.5	.2	Cu.
12	12.5	753.00	29.584	18.8	16.	.084	70.8	.3	Cu.
13	14.5	753.00	29.574	19.2	17.	.094	72.5	.3	Cu.
14	13.2	753.25	29.589	18.8	16.2	.086	71.4	.2	Cu.
15	12.	752.75	29.577	18.7	15.8	.082	70.	.3	Cu.
16	10.	753.00	29.595	18.6	15.6	.080	67.5	.2	Cu.

Göttingen time.	January 9. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 10. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 11. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 12. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 13. Wind. Dir. points.	Force, lbs.	Rain, inches.	Observatory time.
h. m.																*h.*
5 40	NNW.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.03	0
6 40	NNW.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.04	1
7 40	NNW.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.05	2
8 40	N.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.04	3
9 40	N.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	..	4
10 40	N.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.01	5
11 40	N.	..	..	N.	..	..	N.	..	..	NNE.	..	..	NE.	..	.01	6
12 40	N.	..	..	N.	..	..	N.	..	..	N.	..	..	NNE.	..	..	7
13 40	N.	..	..	N.	..	..	N.	..	..	N.	..	..	NNW.	..	..	8
14 40	N.	..	..	N.	..	.01	N.	..	..	N.	..	..	NW.	..	..	9
15 40	N.	..	..	N.	..	..	N.	..	..	N.	..	..	NW.	.1	..	10
16 40	N.	..	..	N.	..	.01	NNE.	..	..	NE.	..	..	NW.	.1	..	11
17 40	NNW.	..	..	N.	..	.01	NNE.	..	..	NE.	..	..	NW.	.2	..	12
18 40	NNW.	..	..	N.	..	.01	NNE.	..	..	ENE.	..	..	WNW.	.4	..	13
19 40	NNE.	..	..	S.	.4	..	NE.	..	..	ESE.	..	..	WNW.	.8	..	14
20 40	NNE.	..	..	S.	1.5	..	NE.	..	..	ESE.	..	..	WNW.	.8	..	15
21 40	NNE.	..	..	S.	3.0	..	NE.	..	..	ESE.	..	..	W.	.5	..	16
22 40	NNE.	..	..	S.	3.2	..	NNE.	..	..	ESE.	..	..	W.	.2		
23 40	NNE.	..	..	S.	3.2	..	NNE.	..	..	ESE.	..	..	W.	..		
0 40	NNE.	..	..	S.	3.0	..	NNE.	..	..	E.	..	..	W.			
1 40	NNE.	..	..	S.	..	..	N.	..	..	E.	..	..	W.			
2 40	NNE.	..	..	S.	..	..	N.	..	..	E.	..	..	W.		..	
3 40	NE.	..	..	NNW.	..	..	NNE.	..	..							
4 40	NE.	..	..	N.	..	.25	NNE.	..	..							



Göttingen time.	January 20. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 21. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 23. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 24. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 25. Wind. Dir. points.	Force, lbs.	Rain, inches.	Observatory time.
h. *m.*																*h.*
5 40	SSW.	..	..	SE.	..	..	N.	..	..	SW.	..	..	NW.	3.5	..	 0
6 40	SSW.	..	..	SE.	..	..	NNW.	..	..	SW.	..	..	NW.	4.0	..	 1
7 40	SSW.	..	..	SE.	..	..	NNW.	..	..	SW.	..	..	NW.	3.0	..	 2
8 40	SSW.	..	..	SE.	..	..	NNW.	..	..	W.	..	..	NNW.	1.5	..	 3
9 40	SSW.	..	..	E.	..	..	NW.	..	..	W.	..	..	NNW.	.4	..	 4
10 40	SSW.	..	..	E.	..	..	NW.	..	..	WSW.	..	..	NNW.	.6	..	 5
11 40	SSW.	..	..	E.	..	..	NW.	..	..	WSW.	.1	..	NNW.	.3	..	 6
12 40	SSW.	..	..	E.	..	.005	NW.	..	..	WNW.	3.0	..	NNW.	.2	..	 7
13 40	SSW.	..	..	E.	..	.005	WNW.	..	..	WNW.	.7	..	NNW.	.2	..	 8
14 40	SSW.	..	..	E.	..	..	WNW.	..	..	NW.	3.5	..	W.	.1	..	 9
15 40	SSW.	..	..	ENE.	..	..	W.	..	..	NW.	3.0	..	W.	1.5	..	10
16 40	SSW.	..	..	ENE.	..	..	W.	.2	..	WNW.	5.5	..	W.	2.7	..	11
17 40	SSW.	..	..	SSE.	..	..	WSW.	.1	..	WNW.	7.5	..	WNW.	4.5	..	12
18 40	WNW.	.2	..	SSW.	..	..	WSW.	.1	..	WNW.	10.0	..	WNW.	4.7	..	13
19 40	WNW.	.2	..	SSW.	..	..	WSW.	.2	..	WNW.	9.0	.01	WNW.	5.0	..	14
20 40	W.	..	..	SSW.	..	..	SW.	.4	..	WNW.	13.0	..	WNW.	3.7	..	15
21 40	W.	..	..	SW.	..	..	SW.	2.0	..	NW.	10.0	..	NW.	4.0	..	16
22 40	WNW.	..	..	SW.	.3	..	SW.	.8	..	NW.	10.0	..	NW.	1.4	..	 17
23 40	WNW.	..	..	SW.	..	..	SW.	.2	..	NW.	7.0	..	NW.	.2		
0 40	WNW.	..	..	WSW.	..	..	SW.	..	..	NW.	7.0	..	NNW.			
1 40	WNW.	..	..	WSW.	..	..	SW.	..	..	NW.		..	NNW			
2 40	WNW.	..	..	WSW.	..	..	SW.	.1	..	NW.		..	NW		..	
3	WNW.	..	..	WSW.	..	..	SW.	..	..	NW.		..	W			
4	SE.	..	..	WSW.	..	..	SW.	..	..	NW.			W			

1567

Day.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, &c.
Feb. 1	17.	747.75	29.357	34.7	30.	.139	74.	1.0	Ci., Ci-s.
2	8.4	758.25	29.809	18.6	15.7	.181	69.	.1	Scattered Cu. and Ci.
3	13.7	769.25	30.217	22.	20.	.109	76.	1.0	Ci.,) Ci-s., Ci-cu.)
4	15.4	768.80	30.191	22.2	21.5	.130	96.	.6	Ci., Ci-s.
6	12.1	745.85	29.394	22.9	20.	.100	78.	1.0	Ci., Ci-s., Cu.
7	7.	755.80	29.720	12.9	11.5	.080	82.	.7	Ci., Ci-s., Cu.
8	3.3	767.55	30.199	11.1	9.7	.074	75.	..	Ci s. at *S.*
9	....	.....	.....	....	....	....	....	..	
10	11.2	773.65	30.402	19.7	17.7	.099	77.	1.0	Ci-s.
11	19.8	753.90	29.588	44.2	43.	.280	99.5	1.0	Ci-s., N., raining.
13	10.2	766.45	30.123	25.1	23.8	.135	93.	.7	Ci cu., Ci., Ci-s.
14	8.	762.50	29.978	22.1	22.	.138	101.)	1 0	N., slight drizzle.
15	13.3	749.25	29.431	31.5	30.5	.179	99.	1.0	N , hailing and raining.
16	7.5	761.75	29.953	15.	13.5	.087	75.	..	A few Cu.
17	0.0	766 60	30.179	14 8	13.	.082	71.	1.0	Ci., Cu., Ci-s.
18	8.	769.05	30.236	12.5	11.5	.084	75.	1.0	Ci., Ci-s.
20	14.3	753.75	29.604	32.5	30.3	.166	96.	.3	Ci., Ci-s
21	15.3	752.80	29.564	23.2	20.	.097	76.	1.0	Ci., Ci-s.
22	19.8	754.65	29.615	35.3	32.5	.172	90.5	1.0	Ci., Ci-s.
23	12.	759.80	29.853	17.4	15.2	.086	62.	.8	Ci , Ci-cu.
24	16.8	759 20	29.806	27.2	24.	.117	66.	1.0	Ci-s.
*25	18.	756.65	29.700	23.	22.5	.137	102.)	.8	Cu., S.
27	11.2	753.40	29.606	33.	31.2	.176	87.	.3	Cu., Ci., Ci-s.
28	18.1	766.50	30.088	32.3	29.3	.151	73.	.9	Cu., Ci., Ci-cu.

* Taken at 6*h*.

Day.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Obs'd dew point, Fahrenheit.	Calculated dew pt.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, &c.
Feb. 1	16.3	747.25	29.339	28.6	24.5	.111	13.	15.9	70.	.9	Cu., Ci-s.
2	10.	762.75	29.978	27.3	22.2	.088	....	....	59.	.2	Flying Cu.
3	16.1	766.70	30.105	35.7	30.2	.131	....	....	61.	1.0	Cu., ? Ci-s.
4	16.9	766.65	30.099	43.2	37.	.167	26.	27.	66.	.9	Ci-s., thin Ci.
6	12.2	747.80	29.381	22.6	18.9	.087	....	....	69.	.9	Cu., Ci., Ci s.
7	8.3	757.95	29.798	22.7	19.2	.089	7.5	9.8	74.	..	A few Ci.
8	8.1	766.80	30.147	19.4	16.7	.088	7.	9.6	70.	.9	Cu., Ci-s.
9	10.8	770.80	30.291	26.	22.6	.107	14.	14.8	70.	1.0	Ci-s.
10	12.1	770.65	30.278	32.5	29.3	.149	23.5	23.9	88.	1.0	Ci-s, ? Cu.; 20*h.*, commenced raining.
11	17.3	757.60	29.741	40.9	33.5	.126	19.5	19.4	66.	..	A few Ci. at *S.*; 7*h.*, ceased raining.
13	13.9	764.70	30.037	25.7	24.3	.137	21.	21.5	93.	1.0	Ci-s., Cu.?
14	8.1	758.20	29.809	24.2	23.7	.143	22.	22.8	100.	1.0	N.
15	11.	750.50	29.492	24.5	22.5	.122	17.	18.5	82.	1.0	Cu., Ci.; 3*h.* 15*m.*, 5*h.*, rain.
16	9.8	764.30	30.041	19.6	17.1	.091	....	....	77.	..	Clear.
17	— 1.3	762.05	30.006	21.9	19.9	.109	14.9	15.5	79.	1.0	N., snowing.
18	+13.	768.35	30.186	24.4	22.	.115	16.2	16.8	69.	.8	[raining. Cu., Ci s.; 9*h.* 15*m.*, commenced
20	7.	753.25	29.619	36.8	32.5	.155	25.	25.	86.5	.9	Ci., Ci-s ; 0*h.* 30*m.*, ceased raining.
21	22.3	751.25	29.468	30.3	26.4	.124	18.5	18.8	78.	.9	Ci., Cu.
22	20.1	747.75	29.313	40.4	38.4	.228	34.3	35.8	94.	1.0	N., snowing.
23	2.3	758.65	29.855	28.	23.4	.099	....	....	70.	.1	Ci. in *S.*
24	20.	756.65	29.699	34.3	30.1	.144	22.5	22.9	71.5	1.0	Ci., Ci-s.
* 25	21.6	756.60	29.681	38.	33.2	.160	....	....	78.5	.1	Scattered Cu.
27	8.8	755.10	29.684	41.2	37.5	.201	32.1	32.3	91.	1.0	N.
28	20.	765.05	30.020	39.5	35.2	.174	28.	28.2	75.	1 0	Cu., Ci-s.; 6*h.*, 11*h.*, raining.

* Taken at 2*h.* P. M.

Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, &c.
h.									
17	20.1	756.40	29.680	....	....	....	80.	1.0	Ci-s.
18	18.8	756.40	29.686	31.1	28.	.142	85.5	1.0	Ci-s.
19	18.5	756.90	29.707	30.5	28.	.148	86.	1.0	Ci-s.
20	18.7	756.90	29.707	30.2	27.5	.143	90.	.9	Ci-s.
21	19.2	756.90	29.704	30.	27.5	.145	91.7	1.0	Ci-s.
22	19.6	756.85	29.701	29.6	27.3	.145	94.	1.0	Ci-s.
23	19.5	756.90	29.703	29.8	27.5	.147	95.	1.0	Ci-s.
0	20.	756.50	29.684	29.3	27.7	.155	97.	.6	Ci-s.
1	20.8	756.50	29.680	29.5	28.	.158	98.	.4	Ci-s.?
2	20.8	756.75	29.690	29.	27.5	.155	99.	.1	Ci-s.?
3	20.5	756.75	29.691	29.	27.5	.155	99.	.2	Ci.
4	19.4	756.60	29.691	28.5	27.	.152	99.	.5	Cu.
5	19.5	756.60	29.691	25.7	24.5	.140	99.	..	A few Cu.
6	18.	756.65	29.700	23.	22.5	.137	102.?	.8	Cu, S.
7	18.5	757.35	29.725	25.	24.5	.147	100.	.5	Cu, hazy.
8	18.5	757.45	29.729	28.	27.5	.165	97.	.2	Ci-cu.
9	18.9	757.85	29.743	30.8	30.3	.183	92.	..	Clear.
10	20.	757.70	29.732	33.8	29.	.131	81.5	..	Clear.
11	20.7	757.50	29.721	36.2	31.8	.154	78.	..	Clear.
12	21.4	757.25	29.708	37.1	31.9	.147	76.3	..	Clear.
13	22.	756.90	29.691	38.5	33.	.152	79.	.1	Scattered Cu.
14	21.6	756.60	29.681	38.	33.2	.160	78.5	.1	Scattered Cu.
15	22.5	756.50	29.672	39.5	35.2	.180	79.5	..	Clear.
19	22.8	756.30	29.663	40.6	36.5	.193	79.4	..	Clear.

Day.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, and direction of their strata.
Mar. 1	18 8	758.15	29.754	30.	28.	.153	87.	1.0	Ci-s., Ci.
2	8.7	761.85	29.950	17.1	14.6	.081	69.	..	Clear.
3	0.4	766.65	30.179	14.3	12.2	.076	74.	.6	Ci.
4	11.2	768.05	30.482	17.	14.7	.083	72.5	.3	Ci., Ci-s.
6	10.2	763.05	29.988	19.1	16.4	.086	67.	..	Clear.
7	13.8	767.75	30.157	20.4	17.	.081	66.5	.1	Light Ci s.
8	— 0.1	765.35	30.129	18.5	16.5	.094	70.	..	Clear.
9	+ 1.6	763.85	30.061	26.5	24.5	.132	93.	.2	Ci., Ci-s.
10	4.2	763.40	30.032	33.4	32.9	.200	101.?	1.0	N., very fine snow.
11	19.3	754.75	29.621	36.2	35.2	.212	98.	1.0	Cu., Ci-s.
13	20.4	760.65	29.846	33.3	32.3	.190	97.5	1.0	N., raining.
14	3.8	760.25	29.910	19.	15.1	.068	60.	..	Clear.
15	0.5	755.00	29.719	32.7	30.3	.164	88.	1.0	Ci-s.
16	15.3	763.95	30.000	31.4	27.	.122	64.	1.0	Ci-s.
17	11.6	743.85	29.228	26.	24.4	.136	92.	.8	Cu., ? Ci-s., Ci-cu. ?
18	5.5	754.85	29.690	19.4	17.3	.096	76.	..	Clear.
20	— 3.2	754.65	29.725	16.8	15.	.089	83.5	..	Clear.
21	— 1.8	759.80	29.959	20.	†20.	....	82.	.8	Thin Ci., Ci-s.
22	— 1.8	755.80	29.762	23.1	22.	.128	95.	1.0	Cu., Ci-s.
23*	+16.5	752.85	29.560	20.	17.	.086	78.	.1	Cu.
24	8.	754.60	29.669	15.5	12.9	.073	73.	.1	Ci.
25	11.8	761.25	29.910	20.7	20.	.122	89.	1.0	Ci-s.
27	11.9	771.40	30.309	26.7	24.2	.126	65.	1.0	Ci-s.
28	12.9	747.10	29.350	49.1	48.6	.350	98.	1.0	N., raining.
29	4.3	755.45	29.719	32.7	28.	.126	72.	.2	Cu.
30	3.3	765.00	30.098	31.7	29.7	.164	89.8	.3	Ci-cu., Ci-s.
31	21.7	767.10	30.093	38.5	34.8	.178	86.3	1.0	Ci-s.

* Taken at 6*h*.

† Not wet.

[1843

DAILY METEOROLOGICAL OBSERVATIONS AT WA[illegible] P. M.

March.]

Day.	Barometer. Temperature.	Thermometer, Fah.	Rain in inches.	Force of wind.	Clouds, and direction of their motion
Mar. 1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

* Commencement raining minus times on the 19th, ceased at 10h. on the 18th.

† Taken at 9h. P. M.

Observatory time.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Sky covered, 10ths.	Clouds, and direction of their strata.
h.									
17	....	.....	.....	....	....	....	....	..	
18	5.	751.50	29.560	34.	31.5	.171	84.9	.3	Cu., Ci., Ci-s.
19	9.4	752.15	29.565	31.8	30.	.168	88.	.1	Cu. at Hor.
20	13.2	752.50	29.560	31.5	29.5	.162	90.	..	Cu. at Hor.
21	15.5	752.75	29.560	31.4	29.5	.163	91.	..	Clear.
22	16.9	752.00	29.521	31.	29.3	.164	93.5	..	Clear.
23	18.4	751.45	29.495	31.3	29.3	.161	94.	.3	Ci-s. ?
0	19.5	751.60	29.495	31.6	29.7	.165	94.	1.0	N., snowing.
1	20.5	751.00	29.466	31.5	31.1	.189	100.	.4	Ci s.
2	20.6	751.00	29.466	30.8	30.5	.186	99.	.8	Ci-s.
3	20.3	750.90	29.465	29.3	28.5	.168	96.	1.0	N., snowing.
4	17.8	751.10	29.483	24.3	22.5	.124	89.	1.0	N., snowing.
5	16.2	751.60	29.511	22.	19.5	.102	79.	.1	Cu.
6	16.5	752.85	29.560	20.	17.	.086	78.	.1	Cu.
7	16.	753.25	29.577	18.5	16.5	.094	77.	..	Clear.
8	15.5	753.30	29.581	18.5	17.2	.104	76.	..	Clear.
9	14.	753.50	29.596	19.	18.	.110	74.	..	Clear.
10	11.5	753.25	29.599	19.2	16.5	.087	72.5	..	A few small Cu.
11	11.	753.00	29.590	18.5	15.3	.077	71.5	.2	Cu.
12	12.5	753.00	29.584	18.8	16.	.084	70.8	.3	Cu.
13	14.5	753.00	29.574	19.2	17.	.094	72.5	.3	Cu.
14	13.2	753.25	29.589	18.8	16.2	.086	71.4	.2	Cu.
15	12.	752.75	29.577	18.7	15.8	.082	70.	.3	Cu.
16	10.	753.00	29.595	18.6	15.6	.080	67.5	.2	Cu.

Göttingen time.	January 9.			January 10.			January 11.			January 12.			January 13.			Observatory time.
	Wind.			Wind.			Wind.			Wind.			Wind.			
	Dir. points.	Force, lbs.	Rain, inches.	Dir. points.	Force, lbs.	Rain, inches.	Dir. points.	Force, lbs.	Rain, inches.	Dir. points.	Force, lbs.	Rain, inches.	Dir. points.	Force, lbs.	Rain, inches.	
h. *m.*																*h.*
5 40	NNW.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.03	0
6 40	NNW.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.04	1
7 40	NNW.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.05	2
8 40	N.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.04	3
9 40	N.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	..	4
10 40	N.	..	..	NE.	..	..	N.	..	..	NNE.	..	..	ENE.	..	.01	5
11 40	N.	..	..	N.	..	..	N.	..	..	NNE.	..	..	NE.	..	.01	6
12 40	N.	..	..	N.	..	..	N.	..	..	N.	..	..	NNE.	..	..	7
13 40	N.	..	..	N.	..	..	N.	..	..	N.	..	..	NNW.	..	..	8
14 40	N.	..	..	N.	..	.01	N.	..	..	N.	..	..	NW.	..	..	9
15 40	N.	..	..	N.	..	..	N.	..	..	N.	..	..	NW.	.1	..	10
16 40	N.	..	..	N.	..	.01	NNE.	..	..	NE.	..	..	NW.	.1	..	11
17 40	NNW.	..	..	N.	..	.01	NNE.	..	..	NE.	..	..	NW.	.2	..	12
18 40	NNW.	..	..	N.	..	.01	NNE.	..	..	ENE.	..	..	WNW.	.4	..	13
19 40	NNE.	..	..	S.	.4	..	NE.	..	..	ESE.	..	..	WNW.	.8	..	14
20 40	NNE.	..	..	S.	1.5	..	NE.	..	..	ESE.	..	..	WNW.	.8	..	15
21 40	NNE.	..	..	S.	3.0	..	NE.	..	..	ESE.	..	..	W.	.5	..	16
22 40	NNE.	..	..	S.	3.2	..	NNE.	..	..	ESE.	..	..	W.	.2	..	17
23 40	NNE.	..	..	S.	3.2	..	NNE.	..	..	ESE.	..	..	W.	..		18
0 40	NNE.	..	..	S.	3.0	..	NNE.	..	..	E.	..	..	W.	..		
1 40	NNE.	..	..	S.	..	..	N.	..	..	E.	..	..	W.	..		
2 40	NNE.	..	..	S.	..	..	N.	..	..	E.	..	..	W	..	..	
3 40	NE.	..	..	NNW.	..	..	NNE.	..	..	E						
4 40	NE.	..	..	N.	..	.25	NNE.	..	..	E						

1565

Göttingen time.	January 20. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 21. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 23. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 24. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 25. Wind. Dir. points.	Force, lbs.	Rain, inches.	Observatory time.
h. m.																*h.*
5 40	SSW.	..	..	SE.	..	..	N.	..	..	SW.	..	..	NW.	3.5	..	0
6 40	SSW.	..	..	SE.	..	..	NNW.	..	..	SW.	..	..	NW.	4 0	..	1
7 40	SSW.	..	..	SE.	..	..	NNW.	..	..	SW.	..	..	NW.	3.0	..	2
8 40	SSW.	..	..	SE.	..	..	NNW.	..	..	W.	..	..	NNW.	1.5	..	3
9 40	SSW.	..	..	E.	..	..	NW.	..	..	W.	..	..	NNW.	.4	..	4
10 40	SSW.	..	..	E.	..	..	NW.	..	..	WSW.	..	..	NNW.	.6	..	5
11 40	SSW.	..	..	E.	..	..	NW.	..	..	WSW.	.1	..	NNW.	.3	..	6
12 40	SSW.	..	..	E.	..	.005	NW.	..	..	WNW.	3.0	..	NNW.	.2	..	7
13 40	SSW.	..	..	E.	..	.005	WNW.	..	..	WNW.	.7	..	NNW.	.2	..	8
14 40	SSW.	..	..	E.	..	..	WNW.	..	..	NW.	3.5	..	W.	.1	..	9
15 40	SSW.	..	..	ENE.	..	..	W.	..	..	NW.	3.0	..	W.	1.5	..	10
16 40	SSW.	..	..	ENE.	..	..	W.	.2	..	WNW.	5.5	..	W.	2.7	..	11
17 40	SSW.	..	..	SSE.	..	..	WSW.	.1	..	WNW.	7.5	..	WNW.	4.5	..	12
18 40	WNW.	.2	..	SSW.	..	..	WSW.	.1	..	WNW.	10.0	..	WNW.	4.7	..	13
19 40	WNW.	.2	..	SSW.	..	..	WSW.	.2	..	WNW.	9.0	.01	WNW.	5.0	..	14
20 40	W.	..	..	SSW.	..	..	SW.	.4	..	WNW.	13.0	..	WNW.	3.7	..	15
21 40	W.	..	..	SW.	..	..	SW.	2.0	..	NW.	10.0	..	NW.	4.0	..	16
22 40	WNW.	..	..	SW.	.3	..	SW.	.8	..	NW.	10.0	..	NW.	1.4		
23 40	WNW.	..	..	SW.	..	..	SW.	.2	..	NW.	7.0	..	NW.	.2		
0 40	WNW.	..	..	WSW.	..	..	SW.	..	..	NW.	7.0	..	NNW.			
1 40	WNW.	..	..	WSW.	..	..	SW.	..	..	NW.		..	NNW.			
2 40	WNW.	..	..	WSW.	..	..	SW.	.1	..	NW.		..	NNW			
3	WNW.	..	..	WSW.	..	..	SW.	..	..	NW.						
4	SE.	..	..	WSW.	..	..	SW.		..	NW.						

Göttingen time.	January 26. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 27. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 28. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 30. Wind. Dir. points.	Force, lbs.	Rain, inches.	January 31. Wind. Dir. points.	Force, lbs.	Rain, inches.	Göttingen time.
h. *m.*																*h.*
5 40	NNW.	4.6	..	NW.	..	..	E.	..	..	NE.	..	..	ENE.	.2	.01	0
6 40	NNW.	2.2	..	NW.	..	..	E.	..	..	NE.	..	..	ENE.	.2	.04	1
7 40	NNW.	2.0	..	NW.	..	..	ENE.	..	..	NE.	..	..	ENE.	.2	..	2
8 40	NNW.	2.0	..	NE.	..	..	ENE.	..	..	NE.	..	..	ENE.	.3	..	3
9 40	NNW.	2.0	..	NE.	..	..	ENE.	..	..	NE.	..	..	ENE.	.2	..	4
10 40	NNW.	2.0	..	ENE.	..	..	ENE.	..	.11	NE.	..	..	ENE.	.1	..	5
11 40	NNW.	1.4	..	ENE.	..	..	ENE.	..	.01	NE.	..	..	ENE.	..	..	6
12 40	NNW.	.2	..	ENE.	..	..	ENE.	..	..	NE.	..	..	ENE.	..	..	7
13 40	NNW.	.1	..	ENE.	..	..	NNW.	..	.01	NE.	..	..	E.	.2	.005	8
14 40	NNW.	.3	..	ENE.	..	..	NNW.	..	..	NE.	..	..	ESE.	1.0	.005	9
15 40	NNW.	.2	..	ENE.	..	..	WNW.	.1	..	NE.	..	..	ESE.	1.3	.015	10
16 40	NNW.	.1	..	ENE.	..	..	WNW.	2.0	..	NE.	..	..	ESE.	2.1	.010	11
17 40	NNW.	..	..	ENE.	..	..	NW.	5.7	..	NE.	..	..	ESE.	2.0	.015	12
18 40	N.	..	..	ENE.	..	..	NW.	2.0	..	NE.	..	..	ESE.	3.0	.025	13
19 40	NNW.	..	..	ENE.	..	..	NW.	1.2	..	NE.	..	..	ESE.	3.0	.020	14
20 40	NW.	..	..	S.	..	..	NW.	.8	..	NE.	..	..	ESE.	3.3	.020	15
21 40	NW.	..	..	S.	..	..	NW.	1.2	..	NE.	..	..	ESE.	4.1	.045	16
22 40	NW.	..	..	S.	..	..	NW.	.7	..	NE.	..	..	SW.	7.0	.010	17
23 40	NW.	..	..	S.	..	..	NW.	.7	..	NE.	..	..	SW.	5.1	.005	18
0 40	NW.	..	..	S.	..	.005	NW.	.3	..	NE.	..	..	WSW.	4.0	..	19
1 40	NW.	..	..	S.	..	.005	NW.	.5	..	NE.	..	..	WSW.	1.8	..	20
2 40	NW.	..	..	S.	..	..	NW.	.2	..	ENE.	..	..	SSW.	.3	..	21
3 40	NW.	..	..	S.	..	..	NW.	.2	..	ENE.	.1	..	SW.	.2	..	22
4 40	NW.	..	..	Variable	..	..	NW.	..	..	ENE.	.2	..	SSW.	..	..	23

Göttingen time.	February 1.			February 2.			February 3.			February 4.			February 6.			February 7.			Observatory time.
	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	
	Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		
h. *m.*																			*h.*
5 40....	SSW.	..	..	WNW.	4.0	..	NW.	..	..	S.	..	..	W.	2.2	..	WNW.	4.2	..	 0
6 40....	SW.	..	..	WNW.	3.2	..	NW.	..	..	S.	..	..	W.	4.0	..	WNW.	3.5	..	 1
7 40....	WSW.	..	..	WNW.	1.9	..	NW.	..	..	S.	..	..	WNW.	4.5	..	WNW.	4.7	..	 2
8 40....	WSW.	..	..	WNW.	1.6	..	NW.	..	..	S.	..	..	WNW.	5.5	..	WNW.	5.0	..	 3
9 40....	WSW.	..	..	WNW.	2.0	..	NW.	..	..	S.	..	..	WNW.	6.0	..	WNW.	5.2	..	 4
10 40....	WSW.	..	..	WNW.	1.9	..	NW.	..	..	SSE.	..	..	WNW.	6.0	..	WNW.	5.0	..	 5
11 40....	WNW.	.1	..	W.	.5	..	NW.	..	..	SSE.	..	..	WNW.	6.7	..	WNW.	5.0	..	 6
12 40....	WNW.	..	..	W.	1.1	..	NW.	..	..	SSE.	..	..	WNW.	8.0	..	WNW.	5.0	..	 7
13 40....	WNW.	.2	..	W.	2.0	..	N.	..	..	NNE.	..	..	WNW.	8.0	..	WNW.	2.7	..	 8
14 40....	WNW.	.1	..	WNW.	2.8	..	Variable	..	..	NNE.	..	..	WNW.	7.5	..	WNW.	4.0	..	 9
15 40....	WNW.	.1	..	WNW.	4.0	..	S.	.1	..	NE.	..	..	WNW.	7.3	..	WNW.	5.3	..	10
16 40....	WNW.	.4	..	WNW.	4.6	..	S.	.1	..	E.	..	..	WNW.	7.0	..	WNW.	4.2	..	11
17 40....	WNW.	1.1	..	WNW.	5.0	..	S.	.2	..	ESE.	..	..	WNW.	5.7	..	WNW.	5.5	..	12
18 40....	WNW.	2.0	..	WNW.	5.6	..	SSW.	.2	..	ESE.	..	..	WNW.	6.0	..	WNW.	4.0	..	13
19 40....	WNW.	1.2	..	WNW.	4.5	..	S.	.2	..	E.	..	..	WNW.	6.0	..	WNW.	3.8	..	14
20 40....	WNW.	.8	..	WNW.	4.0	..	SSW.	.2	..	NE.	..	..	WNW.	6.7	..	WNW.	2.7	..	15
21 40....	WNW.	1.6	..	WNW.	4.0	..	SSW.	.2	..	NE.	..	..	WNW.	5.3	..	WNW.	..	..	16
22 40....	WNW.	2.3	..	WNW.	3.0	..	SSW.	..	..	NE.	..	..	WNW.	6.7	..	WNW.	..	..	17
23 40....	WNW.	3.1	..	WNW.	.4	..	SSW.	..	..	Variable	..	..	WNW.	6.0	..	W.	..	..	18
0 40....	WNW.	3.4	..	WNW.	..	..	SSW.	..	..	SE.	..	..	WNW.	5.7	..	WNW.	..	..	19
1 40....	WNW.	4.2	..	WNW.	..	..	S.	..	..	SE.	..	..	WNW.	5.3	..	WNW.	..	..	20
2 40....	WNW.	5.5	..	WNW.	..	..	S.	..	..	E.	..	..	WNW.	4.7	..	WNW.	..	..	21
3 40....	WNW.	5.8	..	WNW.	..	..	S.	..	..	ENE.	..	..	WNW.	4.7	..	WNW.	..	..	22
4 40....	WNW.	4.7	..	NW.	..	..	S.	..	..	ENE.	..	..	WNW.	5.8	..	WNW.	..	..	23

Göttingen time.	February 8.			February 9.			February 10.			February 11.			February 13.			February 14.			Observatory time.
	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	
	Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		
h. m.																			*h.*
5 40....	WNW.	.3	..	WNW.	.1	..	WNW.	..	..	E.	.1	.01	N.	..	..	ENE.	.8	..	 0
6 40....	WNW.	2.3	..	NW.	..	..	WNW.	..	..	ESE.	1.2	.01	NE.	..	..	ENE.	1.0	..	 1
7 40....	WNW.	1.7	..	NW.	..	..	Variable	..	..	ESE.	2.2	.02	NE.	..	..	ENE.	2.5	..	 2
8 40....	WNW.	..	..	NW.	..	..	NNE.	..	..	SSE.	3.0	.02	NE.	..	..	ENE.	2.0	..	 3
9 40....	WNW.	..	..	NW.	..	..	NNE.	..	..	S.	8.0	..	ENE.	.1	..	ENE.	2.0	..	 4
10 40....	WNW.	.2	..	NW.	..	..	NE.	..	..	SSW.	8.0	.19	ENE.	.1	..	ENE.	2.0	..	 5
11 40....	WNW.	.2	..	NW.	..	..	ENE.	..	..	SW.	1.9	.16	ENE.	.1	..	ENE.	1.8	..	 6
12 40....	WNW.	..	..	NNW.	..	..	ENE.	..	..	SSW.	.4	.10	ENE.	.2	..	ENE.	2.2	..	 7
13 40....	WNW.	..	..	NNW.	..	..	ENE.	..	..	SSW.	.1	..	ENE.	.6	..	ENE.	1.9	..	 8
14 40....	WNW.	.4	..	NNW.	.2	..	ENE.	.1	..	SW.	..	..	ENE.	.7	..	ENE.	2.2	..	 9
15 40....	WNW.	1.0	..	NNW.	.2	..	ENE.	.1	..	SW.	..	..	ENE.	.6	..	ENE.	2.8	..	10
16 40....	WNW.	1.6	..	NNW.	.1	..	ENE.	..	..	WNW.	1.7	..	ENE.	.8	..	ENE.	2.7	..	11
17 40....	WNW.	1.2	..	N.	.1	..	ENE.	..	..	WNW.	2.3	..	ENE.	.7	..	ENE.	2.2	..	12
18 40....	WNW.	1.2	..	N.	.1	..	ENE.	..	..	WNW.	4 7	..	ENE.	.7	..	ENE.	2.6	..	13
19 40....	WNW.	.8	..	NNW.	.1	..	ESE.	.1	..	WNW.	5.2	..	ENE.	1.0	..	ENE.	.8	..	14
20 40....	WNW.	.2	..	W.	..	..	ESE.	.3	..	WNW.	3.7	..	ENE.	1.4	..	ENE.	.2	..	15
21 40....	W.	.2	..	W.	..	..	ESE.	.2	..	WNW.	4.0	..	ENE.	.9	..	ENE.	.8	..	16
22 40....	W.	.2	..	WNW.	..	..	ESE.	..	..	WNW.	2.7	..	ENE.	.8	..	ENE.	1.0	..	17
23 40....	WSW.	..	..	WNW.	..	..	E.	..	..	WNW.	..	.	ENE.	.6	..	NE.	..	..	18
0 40....	WSW.	..	..	WNW.	..	..	E.	..	..	W.	..	..	NE.	.4	..	NE.	.1	..	19
1 40....	WSW.	..	..	WNW.	..	..	ENE.	..	..	WSW.	..	..	NE.	1.0	..	NE.	..	..	20
2 40....	WSW.	..	..	WNW.	..	..	ENE.	..	..	WSW.	..	..	NE.	.6	..	ENE.	..	..	21
3 40....	WSW.	..	..	WNW.	..	..	ENE.	..	..	WSW.	..	..	NE.	.5	.	NE.	..	..	22
4 40....	W.	.1	..	WNW.	..	..	ENE.	..	..	SW.	..	..	ENE.	1.5	..	NE.	.1	..	23

Göttingen time.	February 15			February 16.			February 17.			February 18.			February 20.			February 21.			Observatory time.
	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	
	Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		
h. m.																			*h.*
5 40....	ENE.	.1	..	WNW.	.2	..	WNW.	..	..	NNE.	..	..	N.	..	..	N.	.2	..	....	0
6 40....	NE.	»	.010	WNW.	.2	..	WNW.	..	..	NNW.	..	..	NNW.	..	..	NNE.	1.3	..	....	1
7 40....	NE.	»	..	WNW.	.1	..	WNW.	..	..	NW.	..	..	NNW.	..	..	NNE.	.9	..	....	2
8 40....	E.	»	..	WNW.	.1	..	WNW.	..	..	WNW.	..	..	NNW.	..	..	N.	.7	..	....	3
9 40....	Variable	»	.120	WNW.	.1	..	WNW.	..	..	WNW.	..	..	NNW.	..	..	N.	.6	..	....	4
10 40....	NNE.	»	.030	WNW.	.1	..	WNW.	..	..	WNW.	..	..	NNW.	..	..	N.	.3	..	....	5
11 40....	N.	»	..	WNW.	.1	..	WNW.	..	..	WNW.	..	..	NNW.	..	..	NNW.	.5	..	....	6
12 40....	N.	»	..	WNW.	..	..	WNW.	..	..	WNW.	..	..	NNW.	..	..	NNW.	.3	..	....	7
13 40....	NW.	»	..	WNW.	..	..	WNW.	..	..	NNE.	..	..	NNW.	..	..	NNW.	.6	..	....	8
14 40....	NW.	»	..	WNW.	.4	..	WNW.	..	..	NE.	..	..	NW.	.2	..	NNW.	1.0	..	....	9
15 40....	NW.	»	..	WNW.	.7	..	N.	..	..	NE.	..	..	NW.	.3	..	NNW.	1.2	..	10	
16 40....	NW.	»	..	WNW.	1.4	..	Variable	..	..	NE.	..	..	NNW.	.2	..	NW.	.5	..	11	
17 40....	NW.	»	..	WNW.	.9	..	NE.	..	..	ENE.	..	..	NNW.	.1	..	NW.	.3	..	12	
18 40....	NW.	»	..	WNW.	.9	..	E.	..	..	SE.	..	..	NNW.	.2	..	NW.	1.0	..	13	
19 40....	WNW.	»	..	WNW.	.7	..	ENE.	..	..	SE.	..	..	NNW.	.2	..	NW.	1.2	..	14	
20 40....	WNW.	»	.005	W.	1.0	..	NE.	..	..	SE.	..	..	NNW.	.3	..	WNW.	.9	..	15	
21 40....	WNW.	1.5	.005	W.	.9	..	NE.	..	..	E.	..	..	NNW.	.2	..	WNW.	1.0	..	16	
22 40....	WNW.	2.2	..	W.	.2	..	NNE.	.1	..	ENE.	..	..	NNW.	.1	..	WNW.	.2	..	17	
23 40....	WNW.	1.0	..	W.	.1	..	NNE.	.1	..	NE.	..	..	N.	..	..	W.	..	..	18	
0 40....	WNW.	1.9	..	W.	..	..	NE.	..	..	ENE.	..	..	N.	..	..	WSW.	..	..	19	
1 40....	WNW.	2.6	..	W.	..	..	NE.	..	..	ENE.	..	..	N.	..	..	WSW.	..	..	20	
2 40....	WNW.	..	..	W.	..	..	NE.	..	..	ENE.	..	..	N.	..	..	WSW.	..	..	21	
3 40....	WNW.	.1	..	WNW.	..	..	NNE.	..	..	NE.	..	..	N.	..	..	WSW.	..	..	22	
4 40....	WNW.	.1	..	WNW.	..	..	NNE.	..	..	NE.	..	*.085	N.	.1	..	WSW.	..	..	23	

* Total snow during the day.

Göttingen time.	February 22. Wind. Dir. points.	Force, lbs.	Rain, inches.	February 23. Wind. Dir. points.	Force, lbs.	Rain, inches.	February 24. Wind. Dir. points.	Force, lbs.	Rain, inches.	February 25. Wind. Dir. points.	Force, lbs.	Rain, inches.	February 27. Wind. Dir. points.	Force, lbs.	Rain, inches.	February 28. Wind. Dir. points.	Force, lbs.	Rain, inches.	Observatory time.
h. *m.*																			*h.*
5 40....	SW.	..	..	WNW.	1.7	..	NW.	..	..	SW.	..	..	SW.	..	..	NNW.	1.0	..	 0
6 40....	SW.	..	..	NW.	4.0	..	NNW.	..	..	SW.	..	..	WSW.	..	..	NNW.	1.7	..	 1
7 40....	SW.	..	..	WNW.	.4	..	NNW.	..	..	SW.	..	..	WSW.	..	..	NNW.	.4	..	 2
8 40....	WSW.	..	..	WNW.	..	..	N.	..	..	SW.	..	..	WSW.	..	..	NNW.	1.7	..	 3
9 40....	SSW.	..	..	WNW.	..	..	N.	..	..	SW.	..	..	WSW.	..	..	NNW.	.4	..	 4
10 40....	SSW.	..	..	WSW.	..	..	N.	..	..	SW.	..	..	WSW.	..	..	NNE.	.1	..	 5
11 40....	SSW.	..	..	SW.	..	..	N.	..	..	SW.	..	..	WSW.	..	..	NNE.	..	..	 6
12 40....	SSW.	..	..	SW.	..	..	N.	..	..	SW.	..	..	WSW.	..	..	NE.	..	..	 7
13 40....	SSE.	..	..	WSW.	..	..	ENE.	..	..	SW.	..	..	NNE.	..	..	NE.	..	..	 8
14 40....	SE.	..	..	WSW.	..	..	ENE.	..	..	SW.	..	..	NNE.	..	..	NE.	..	..	 9
15 40....	SE.	..	..	WSW.	..	..	ENE.	..	..	NW.	..	..	NE.	..	..	NNE.	..	..	10
16 40....	ESE.	..	..	WSW.	.1	..	ENE.	..	..	NW.	..	..	NE.	..	..	NNE.	..	..	11
17 40....	ESE.	..	..	WSW.	.5	..	ENE.	..	..	W	..	..	NNE.	..	..	NNE.	..	..	12
18 40....	SE.	.1	..	WSW.	.4	..	ENE.	..	..	W.	..	..	NNE.	..	..	N.	..	..	13
19 40....	SE.	..	..	WSW.	2.6	..	ENE.	..	..	WSW.	.2	..	NE.	..	..	N.	..	..	14
20 40....	E.	..	..	WSW.	.6	..	SSW.	..	..	W.	.2	..	NE.	..	..	E.	..	..	15
21 40....	E.	..	..	WSW.	.1	..	SSW.	..	..	WSW.	..	..	NNW.	..	..	ESE.	..	..	16
22 40....	Variable	..	..	WSW.	..	..	SW.	..	..	W.	..	..	NW.	..	..	ESE.	..	..	17
23 40....	NW.	..	..	W.	..	..	SW.	..	..	WSW.	..	..	NW.	1.8	..	ESE.	..	..	18
0 40....	WNW.	.2	..	W.	..	..	SW.	..	..	WSW.	..	..	NW.	2.2	..	S.	..	..	19
1 40....	WNW.	.1	..	W.	..	..	SW.	..	..	SSW.	..	..	NW.	.6	..	S.	..	..	20
2 40....	NW.	2.5	..	SW.	..	..	SW.	..	..	SW.	..	..	NW.	.6	..	S.	..	..	21
3 40....	NNW.	1.7	..	SW.	..	..	SW.	..	..	SW.	.2	..	NNW.	.4	..	S.	..	..	22
4 40....	NW.	.1	*.06	SW.	..	..	SW.	..	..	SW.	..	..	NNW.	1.1	..	SSW.	..	†.05	23

*Registered quantity of water produced by the melting of the snow that fell during the day, but, some having escaped by a side pipe attached to the reservoir, it is not the total amount.

†Total snow that fell during the day.

Göttingen time	March 1. Wind. Dir. points.	Force, lbs	Rain, inches.	March 2. Wind. Dir. points.	Force, lbs.	Rain, inches.	March 3. Wind. Dir. points.	Force, lbs.	Rain, inches.	March 4. Wind. Dir. points.	Force, lbs.	Rain, inches.	March 6. Wind. Dir. points.	Force, lbs.	Rain, inches.	March 7. Wind. Dir. points.	Force, lbs.	Rain, inches.	Observatory time.
h. *m.*																			*h.*
5 40	SSW.	..	..	WNW.	1.3	..	NW.	..	..	NNW.	..	..	NNW.	1.7	..	NNW.	3.7	..	0
6 40	SW.	..	..	NW.	2.0	..	NW.	..	..	NNW.	..	..	NW.	2.0	..	NNW.	1.6	..	1
7 40	SW.	..	..	WNW.	1.3	..	WNW.	..	..	NNW.	..	..	NW.	2.3	..	NNW.	.3	..	2
8 40	SW.	..	..	WNW.	.7	..	WNW.	.1	..	NW.	..	..	NW.	3.5	..	NNW.	.2	..	3
9 40	SW.	..	..	WNW.	.2	..	WNW.	.1	..	NW.	..	..	NNW.	2.2	..	NNW.	.6	..	4
10 40	SW.	..	..	WNW.	.4	..	WNW.	..	..	NW.	..	..	NW.	2.3	..	NNW.	.7	..	5
11 40	Variable	..	..	WNW.	.2	..	WNW.	..	..	WNW.	..	..	NW.	1.2	..	NNW.	.4	..	6
12 40	NW.	..	..	WNW.	.3	..	WNW.	..	..	NW.	..	..	NW.	1.0	..	NNW.	.2	..	7
13 40	NW.	.2	..	WNW.	2.5	..	WNW.	..	..	NW.	..	..	NW.	1.3	..	NNW.	.9	..	8
14 40	NW.	.8	..	WNW.	4.7	..	WNW.	.2	..	NNW.	.3	..	NW.	1.5	..	NNW.	3.1	..	9
15 40	NW.	.9	..	WNW.	4.7	..	WNW.	.7	..	NNW.	1.1	..	NW.	2.6	..	NNW.	3.3	..	10
16 40	NW.	1.0	..	WNW.	3.5	..	WNW.	1.7	..	NNW.	1.0	..	NW.	2.3	..	NNW.	1.9	..	11
17 40	WNW.	1.5	..	WNW.	3.0	..	WNW.	1.7	..	NNW.	1.1	..	NW.	2.1	..	NNW.	1.9	..	12
18 40	WNW.	2.4	..	WNW.	3.2	..	WNW.	1.0	..	NNW.	.9	..	NW.	3.2	..	NNW.	2.2	..	13
19 40	WNW.	2.0	..	WNW.	3.0	..	WNW.	.8	..	NNW.	.7	..	NW.	2.7	..	NNW.	1.6	..	14
20 40	WNW.	3.4	..	WNW.	2.8	..	WNW.	.7	..	NNW.	1.0	..	NW.	2.5	..	NNW.	2.3	..	15
21 40	WNW.	3.0	..	WNW.	2.0	..	WNW.	.6	..	NNW.	.9	..	NW.	2.8	..	NNW.	2.7	..	16
22 40	WNW.	2.2	..	WNW.	2.2	..	WNW.	.8	..	NNW.	.3	..	NW.	2.2	..	NNW.	1.8	..	17
23 40	WNW.	1.0	..	WNW.	1.6	..	WNW.	.4	..	NNW.	.2	..	NNW.	1.2	..	NNW.	1.0	..	18
0 40	WNW.	.2	..	WNW.	.4	..	WNW.	..	..	NNW.	.1	..	NNW.	.4	..	NW.	.1	..	19
1 40	WNW.	.2	..	WNW.	.2	..	WNW.	..	..	NNW.	.4	..	NNW.	..	..	NNW.	.4	..	20
2 40	WNW.	.6	..	WNW.	..	..	NW.	..	..	NNW.	.2	..	NNW.	.1	..	NNW.	.2	..	21
3 40	WNW.	.9	..	W.	..	..	NNW.	..	..	NNW.	.2	..	NNW.	1.8	..	NNW.	.7	..	22
4 40	WNW.	.4	..	WNW.	..	..	NNW.	..	..	NNW.	.8	..	NNW.	3.5	..	NNW.	.7	..	23

Göttingen time.		March 8. Wind. Dir. points.	March 8. Wind. Force, lbs.	March 8. Rain, inches.	March 9. Wind. Dir. points.	March 9. Wind. Force, lbs.	March 9. Rain, inches.	March 10. Wind. Dir. points.	March 10. Wind. Force, lbs.	March 10. Rain, inches.	March 11. Wind. Dir. points.	March 11. Wind. Force, lbs.	March 11. Rain, inches.	March 13. Wind. Dir. points.	March 13. Wind. Force, lbs.	March 13. Rain, inches.	March 14. Wind. Dir. points.	March 14. Wind. Force, lbs.	March 14. Rain, inches.	Observatory time.
h.	*m.*																			*h.*
5	40	NNW.	1.1	..	SW.	..	..	ESE.	..	..	NNE.	..	..	ENE.	.1	..	WNW.	5.5	..	0
6	40	NNW.	.6	..	SW.	..	..	S.	..	..	NNE.	..	..	ENE.	.4	..	WNW.	†?	..	1
7	40	N.	.2	..	SW.	..	..	S.	..	..	N.	..	..	ENE.	1.6	..	WNW.	?	..	2
8	40	N.	..	..	SW.	..	..	S.	..	..	N.	..	..	ENE.	2.2	..	WNW.	?	..	3
9	40	N.	..	..	SW.	..	..	S.	..	..	NNW.	..	..	ENE.	2.3	..	WNW.	?	..	4
10	40	N.	..	..	SW.	..	..	S.	..	..	NW.	..	..	ENE.	4.2	..	WNW.	?	..	5
11	40	N.	..	..	SW.	..	..	SE.	..	..	NW.	..	..	ENE.	3.2	..	WNW.	?	..	6
12	40	N.	..	..	SW.	..	..	Variable	..	..	NW.	..	..	ENE.	2.6	..	WNW.	3.7	..	7
13	40	N.	..	..	SW.	..	..	ENE.	..	..	WNW.	..	..	ENE.	2.8	..	WNW.	6.0	..	8
14	40	N.	..	..	NNW.	..	..	ENE.	.1	..	NW.	.2	..	ENE.	3.2	..	WNW.	4.2	..	9
15	40	N.	..	..	N.	.7	..	NE.	..	..	NW.	1.5	..	ENE.	5.0	..	WNW.	5.0	..	10
16	40	N.	..	..	N.	.2	..	NE.	..	..	NW.	3.4	..	ENE.	1.8	..	WNW.	5.2	..	11
17	40	W.	..	..	NNW.	.1	..	NE.	..	..	NW.	3.7	..	ENE.	2.2	..	WNW.	3.7	..	12
18	40	W.	..	..	NNW.	..	..	NE.	.1	..	NW.	4.2	..	ENE.	3.5	..	WNW.	4.1	..	13
19	40	SW.	..	..	NNW.	..	..	ENE.	.3	..	NW.	4.0	..	NNE.	2.7	..	W.	4.0	..	14
20	40	SW.	.1	..	NNW.	..	..	ENE.	.5	..	NW.	4.0	..	NNE.	1.0	..	W.	3.7	..	15
21	40	SW.	..	..	N.	..	..	ENE.	1.4	.01	NW.	3.2	..	NNE.	1.4	..	W.	2.3	..	16
22	40	SW.	..	..	N.	..	..	ENE.	1.7	.04	NW.	3.6	..	N.	.7	..	WSW.	2.0	..	17
23	40	SW.	..	..	N.	..	..	ENE.	1.3	.06	NW.	1.0	..	NW.	..	..	WSW.	1.0	..	18
0	40	SW.	..	..	N.	..	..	ENE.	2.2	.09	NW.	.2	..	NW.	.9	..	SW.	.1	..	19
1	40	SW.	..	..	N.	..	..	NE.	1.7	.05	NW.	..	..	WNW.	.5	..	SSW.	.1	..	20
2	40	SW.	..	..	N.	..	..	NE.	2.7	..	NW.	.1	..	WNW.	1.4	..	SSW.	..	..	21
3	40	SW.	..	..	N.	..	..	NE.	1.7	.01	NW.	..	..	WNW.	.3	..	SSW.	..	..	22
4	40	SW.	..	..	NNE.	..	..	NE.	.3	.01	NW.	..	..	WNW.	3.0	*.67	SSW.	..	..	23

* Total melted snow during the day.

† Wind high till 7*h*.

Göttingen time.		March 15.			March 16.			March 17.			March 18.			March 20.			Observatory time.
		Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	Wind.		Rain, inches.	
		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		Dir. points.	Force, lbs.		
h.	*m.*																*h.*
5	40	SSW.	..	..	NNW.	.1	..	NNW.	?	..	W.	.7	..	W.	..	..	0
6	40	SW.	..	..	NNW.	.1	..	NNW.	?	..	W.	..	..	W.	..	..	1
7	40	SW.	..	..	N.	.1	..	NNW.	?	..	W.	.4	..	WNW.	..	..	2
8	40	SW.	..	..	N.	..	..	NNW.	?	..	W.	.3	..	WNW.	..	..	3
9	40	SW.	..	..	NNE.	..	..	NW.	?	..	W.	.1	..	WNW.	..	..	4
10	40	SSW.	..	..	NNE.	..	..	NW.	?	..	W.	..	..	WNW.	..	..	5
11	40	SSW.	..	..	NNE.	..	..	WNW.	?	..	W.	..	..	WNW.	..	..	6
12	40	SSW.	.1	..	NNE.	..	..	WNW.	5.5	..	W.	..	..	WNW.	..	..	7
13	40	SSW.	.4	..	ENE.	.1	..	WNW.	5.5	..	W.	..	..	WNW.	..	..	8
14	40	SSW.	1.7	..	ENE.	.2	..	WNW.	5.6	..	W.	..	..	NW.	.2	..	9
15	40	SW.	3.2	..	ENE.	.3	..	WNW.	7.0	..	W.	1.2	..	NW.	.4	..	10
16	40	SW.	3.3	..	ENE.	.7	..	WNW.	7.0	..	W.	3.4	..	NW.	.4	..	11
17	40	SW.	3.5	..	ENE.	1.4	..	WNW.	6.5	..	W.	3.2	..	NW.	.3	..	12
18	40	W.	8.2	..	ENE.	.7	..	WNW.	5.8	..	W.	4.3	..	NW.	..	..	13
19	40	WNW.	8.0	..	ENE.	2.0	..	WNW.	9.0	..	W.	3.8	..	WNW.	.3	..	14
20	40	WNW.	7.8	..	ENE.	2.0	..	WNW.	5.8	..	W.	2.7	..	WNW.	.6	..	15
21	40	WNW.	5.2	..	ENE.	3.2	..	W.	6.4	..	W.	2.0	..	WNW.	.7	..	16
22	40	WNW.	2.5	..	ENE.	*5.0	..	W.	6.0	..	W.	1.4	..	WNW.	.5	..	17
23	40	WNW.	.4	..	ENE.	?	..	W.	5.0	..	W.	.5	..		.2	..	18
0	40	WNW.	.2	..	ENE.	?	..	W.	3.0	..	W.	.2	..		..		
1	40	WNW.	.1	..	ENE.	?	..	W.	3.0	..	W.	..	..		..		
2	40	WNW.	.1	..	N.	?	..	W.	2.0	..	W.	..	..				
3	40	NW.	.1	..	NNE.	6.0	..	W.	1.5	..	W.	..	..				
4	40	NW.	.1	..	N.	6.0	..	W.	.5	..	W.	..	..				

* Wind a

Greenwich time	March 21. Wind. Dir. points.	Force, lbs.	Rain, inches.	March 22. Wind. Dir. points.	Force, lbs.	Rain, inches.	March 23. Wind. Dir. points.	Force, lbs.	Rain, inches.	March 24. Wind. Dir. points.	Force, lbs.	Rain, inches.	March 25. Wind. Dir. points.	Force, lbs.	Rain, inches.	Observatory time.
h. m.																h.
5 40	WNW.	.3	..	SSW.	..	..	SE.	..	..	W.	2.1	..	W.	..	..	0
6 40	WNW.	..	..	SSW.	..	..	S.	..	..	W.	2.0	..	W.	..	..	1
7 40	WNW.	..	..	SSW.	..	..	SSW.	..	..	W.	2.4	..	W.	..	..	2
8 40	WNW.	..	..	SSW.	..	..	SW.	..	..	W.	3.5	..	W.	..	..	3
9 40	WNW.	..	..	SSW.	..	..	WNW.	2.0	..	W.	2.2	..	W.	..	..	4
10 40	W.	..	..	SSW.	..	..	WNW.	2.8	..	W.	1.4	..	W.	..	..	5
11 40	W.	..	..	SSW.	..	..	WNW.	2.0	..	W.	2.3	..	W.	..	..	6
12 40	W.	..	..	SE	..	..	WNW.	2.3	..	WNW.	3.4	..	W.	..	..	7
13 40	WNW.	.1	..	ESE.	..	..	WNW.	3.4	..	WNW.	4.0	..	Variable	..	..	8
14 40	WNW.	.2	..	ESE.	..	..	WNW.	5.0	..	WNW.	4.2	..	S.	..	..	9
15 40	WNW.	.3	..	SSE.	..	..	WNW.	4.7	..	WNW.	6.0	..	S.	.2	..	10
16 40	WNW.	.4	..	S.	..	..	WNW.	3.2	..	WNW.	6.3	..	SSW.	.1	..	11
17 40	WNW.	.2	..	S.	..	..	WNW.	5.5	..	WNW.	5.0	..	SW.	.4	..	12
18 40	WNW.	.2	..	S.	..	..	WNW.	5.7	..	WNW.	3.2	..	SW.	1.6	..	13
19 40	W.	.3	..	S.	.1	..	WNW.	5.7	..	WNW.	2.4	..	SW.	.5	..	14
20 40	WSW.	.1	..	S.	..	..	WNW.	6.0	..	WNW.	1.8	..	WSW.	.2	..	15
21 40	SW.	.1	..	S.	.1	..	WNW.	5.2	..	WNW.	1.1	..	W.	.1	..	16
22 40	SW.	..	..	S.	.1	..	WNW.	6.3	..	WNW.	.4	..	WSW.	.1	..	17
23 40	SW.	..	..	S.	.1	..	WNW.	4.8	..	W.	..	..	SW.	..	..	18
0 40	SW.	..	..	S.	..	..	WNW.	4.2	..	W.	..	..	SW.	..	..	19
1 40	SSW.	..	..	S.	..	..	WNW.	4.0	..	W.	..	..	SW.	..	..	20
2 40	SSW.	..	..	SSE.	..	..	WNW.	3.8	..	WSW.	..	..	SW.	..	..	21
3 40	SSW.	..	..	SE.	..	..	WNW.	3.5	..	WSW.	..	..	SSW.	..	..	22
4 40	SSW.	..	..	ESE.	..	..	WNW.	1.8	..	WSW.	..	..	SW.	..	..	23

Göttingen time.	March 27			March 28.			March 29.			March 30.			March 31.			Observatory time.
	Wind.			Wind.			Wind.			Wind.			Wind.			
	Dir. points.	Force, lbs.	Rain, inches.	Dir. points.	Force, lbs.	Rain, inches.	Dir. points.	Force, lbs.	Rain, inches.	Dir. points.	Force, lbs.	Rain, inches.	Dir. points.	Force, lbs.	Rain, inches.	
h. *m.*																*h.*
5 40	NW.	..	..	ENE.	.2	.15	WNW.	4.0	..	SW.	..	..	ENE.	..	..	0
6 40	NW.	..	..	E.	.1	.24	WNW.	5.0	..	WSW.	..	..	ENE.	.1	..	1
7 40	NW.	..	..	ESE.	.2	.19	WNW.	3.8	..	WSW.	..	..	ENE.	.1	..	2
8 40	NW.	..	..	SE.	3.5	.09	WNW.	4.0	..	WSW.	..	..	ENE.	.1	..	3
9 40	NW.	..	..	SSE.	4.0	.05	WNW.	?	..	WSW.	..	..	ENE.	.1	..	4
10 40	NNE.	..	..	SSE.	4.0	.05	WNW.	?	..	WSW.	..	..	ENE.	.1	..	5
11 40	NNE.	..	..	SSE.	5.2	.03	WNW.	5.0	..	WSW.	..	..	ENE.	.2	..	6
12 40	NNE.	..	..	SSE.	3.3	.09	WNW.	3.2	..	WSW.	..	..	ENE.	.3	..	7
13 40	NNE.	..	..	SSE.	3.6	.13	NW.	4.0	..	WSW.	..	..	ENE.	1.0	..	8
14 40	NNE.	..	..	SSE.	5.2	.12	NW.	4.0	..	Variable	..	..	ENE.	1.1	..	9
15 40	ESE.	..	..	S.	3.0	.14	WNW.	3.7	..	E.	..	..	ENE.	1.0	..	10
16 40	ESE.	..	..	SSE.	1.7	.05	WNW.	2.0	..	ENE.	..	..	E.	1.2	..	11
17 40	SE.	.1	..	SSE.	3.5	..	WNW.	2.2	..	ENE.	..	..	ENE.	1.0	..	12
18 40	SE.	.3	..	S.	2 6	..	WNW.	2.3	..	ENE.	..	..	ENE.	1.0	..	13
19 40	SSE.	.4	..	SSW.	1.0	.05	WNW.	2.3	..	NE.	..	..	ENE.	1.5	..	14
20 40	SE.	..	..	SSW.	.2	.01	WNW.	1.7	..	NE.	..	..	ENE.	1.2	..	15
21 40	ENE.	.3	..	SW.	.2	.01	WNW.	1.2	..	NE.	..	..	ENE.	1.0	..	16
22 40	ENE.	.7	..	SW.	.8	.02	WSW.	.2	..	ENE.	..	..	ENE.	1.3	..	17
23 40	ENE.	.3	..	W.	2.7	..	WSW.	..	..	E.	..	..	ENE.	1.0	..	18
0 40	ENE.	.3	..	WNW.	2.5	..	SW.	..	..	E.	..	..	ENE.	1.7	.05	19
1 40	ENE.	.5	.01	WNW.	2.7	..	SW.	..	..	E.	..	..	ENE.	2.0	.07	20
2 40	ENE.	.8	.07	WNW.	2.7	..	SW.	..	..	ENE.	..	..	ENE.	1.2	.07	21
3 40	E.	.5	.12	WNW.	4.5	..	SW.	..	..	ENE.	..	..	ENE.	1.0	.05	22
4 40	E.	.3	.10	WNW.	3.4	..	SW.	..	..	ENE.	..	..	ENE.	2.0	.04	23

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
1	0	21.2	758.00	29.738	....	36.7	36.4	.230	99.2	NNE.	2.0	.03	1.0	N., raining.
	1	20.8	756.50	29.680	....	37.	36.8	.234	99.2	NNE.	2.0	.04	1.0	N., raining.
	2	20.5	755.10	29.628	....	37.4	36.9	.231	98.9	NNE.	2 0	.01	1.0	N., raining.
	3	21.	754.18	29.591	....	37.2	36.6	.228	98.6	NE.	1.0	.30	1.0	N., raining.
	4	21.2	754.20	29.591	....	36.5	35.7	.218	98.	ENE.	1.0	.01	1.0	N., raining.
	5	21.3	754.40	29.598	....	38.4	34.7	.178	96.8	ENE.	1.0	..	1.0	N., raining.
	6	21.	754.50	29.604	....	36.	35.	.211	96.2	ENE.	1.0	..	1.0	N.
	7	....	.....	.....	....	....	....	....	....	ENE.	.3	..	1.0	N.
	8	19.4	756.15	29.673	....	36.	35.4	.218	96.9	NNW.	.3	.13	1.0	N.
	9	18.4	756.20	29.680	36.	37.5	36.5	.223	96.5	NNW.	.7	.01	1.0	N.
	10	19.1	756.50	29.688	35 5	40.5	38.5	.229	92.3	NNW.	2.0	..	1.0	Ci-s., Cu.
	11	19.1	757.00	29.708	38.	41.2	39.2	.235	92.5	NNW.	.4	..	1.0	Ci-s., Cu.
	12	19.8	757.10	29.710	38.	43.7	40.9	.242	89.5	NW.	.5	..	1.0	Ci-s., Cu., N.
	13	20.	757.60	29.728	39.	44.	40.5	.230	87.3	WNW.	1.8	..	1.0	Ci-s , Cu.
	14	19.1	758.20	29.755	....	42.	39.	.221	87.	WNW.	2.7	..	1.0	Ci-s., Cu.
	15	17.8	758.65	29.780	....	39.8	36.2	.191	85.	NW.	3.0	..	1.0	Ci-s., Cu.
	16	16.	759.00	29.801	....	39.3	35.3	.179	83.	NNW.	3.0	..	.9	Cu.
	17	16.4	759.70	29.828	....	38.3	33.8	.162	80.3	NNW.	3.0	..	1.0	Cu.
	18	17.3	761.05	29.876	....	36.2	32.5	.162	82.	NNW.	2.0	..	.8	Cu.
	19	18.7	762.25	29.917	26.	35.1	31.7	.158	83.	N.	.2	..	.6	Cu.
	20	19.	763.00	29.944	....	32.7	29.	.137	81.	N.	.2	..	.1	Cu.
	21	18.	763.60	29.973	....	32.	28.	.127	79.	N.	2.5	..	..	Clear.
	22	18.4	764.20	29.995	....	32.5	28.7	.134	77.	N.	1.8	..	.1	Cu.?
	23	19.	764.90	30.020	....	32.6	29.	.138	76.5	N.	..	..	.3	Cu., ? Ci-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
3	0	16.8	768.90	30.188	....	29.9	27.8	.148	86.	N.	..	..	.1	Ci-s.
	1	16.5	769.05	30.194	....	28.8	27.8	.161	90.	N.	..	..	.1	Ci-s.
	2	17.2	769.00	30.188	....	28.6	27.7	.161	91.5	N.	..	..	.1	Ci-s.
	3	17.7	769.15	30.191	....	28.9	27.6	.155	92.3	N.	..	..	.1	Ci-s.
	4	16.7	769.10	30.195	....	29.2	28.	.159	91.7	N.	..	..	.1	Ci-s.
	5	17.8	769.45	30.203	....	30.5	28.4	.151	88.8	N.	..	..	.2	Ci-s.
	6	18.4	770.00	30.221	....	31.6	29.	.149	86.3	N.	..	..	.1	Ci-s.
	7	17.7	770.25	30.234	....	33.2	29.5	.140	81.3	N.	..	..	.3	Ci-s.
	8	17.8	770.25	30.234	....	36.3	31.8	.147	76.8	N.	..	..	1.0	Ci-s.
	9	18.1	770.30	30.235	....	37.7	32.5	.144	73.	N.	..	..	.8	Ci-s., *W.*
	10	19.	770.50	30.242	....	40.6	34.2	.142	69.	NNE.	..	..	.4	Ci s., *W.*
	11	19.2	770.20	30.226	....	44.	36.2	.142	64.	NNE.	..	..	.4	Ci-s., *W.*
	12	16.	769.20	30.203	24.	44.7	36.5	.141	61.3	N.	..	..	.6	Ci-cu., Ci s.
	13	18.7	768.80	30.174	23.5	44.8	36.4	.137	61.	N.	..	..	.6	Ci-cu., Ci-s.
	14	19.8	768.35	30.151	....	46.	38.5	.166	60.	NNE.	..	..	.2	Ci cu., Ci-s.
	15	20.4	767.90	30.138	....	47.6	39.7	.172	60.	N.	..	..	.4	Ci-cu., Ci-s.
	16	20.8	767.85	30.127	....	48.3	40.5	.180	61.7	NNE.	..	..	.1	Ci-cu., Ci-s.
	17	21.6	768.00	30.129	....	48.3	40.	.169	61.2	N.	..	..	.1	Ci cu., Ci-s.
	18	21.7	768.35	30.141	....	46 6	37.6	.140	59.	ENE.	..	..	.3	Ci cu., Ci-s.
	19	19.9	768.35	30.149	....	41.3	36.	.170	70.	ENE.	..	..	.6	Ci-s., Ci-cu.
	20	20.4	768.75	30.164	....	40.6	36.	.178	74.	ENE.	..	..	.9	Ci-s., Ci-cu.
	21	19.7	768.60	30.161	....	39.4	35.2	.175	77.	ESE.	..	..	1.0	Ci-s.
	22	19.5	768.30	30.152	....	38.5	33.2	.148	75.	SSE.	..	..	1.0	Ci-s.
	23	19.5	768.05	30.142	....	38.	34.	.168	75.	SSE.	..	..	.4	Ci., Ci-s., Cu. ?

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
5	0	16.6	765.60	30.058	30.8	32.2	31.7	.191	98.5	NE.	..	2.15	1.0	N., snowing.
	1	17.4	765.50	30.050	30.3	32.	31.5	.190	98.	ENE.	..	..	1.0	N., snowing.
	2	18.2	765.00	30.026	29.9	31.7	31.2	.188	98.5	ENE.	..	..	1.0	N., snowing.
	3	18.4	764.25	29.997	30.	31.8	31.2	.187	98.5	NE.	..	..	1.0	N., snowing.
	4	18.9	764.20	29.992	30.1	32.	31.3	.186	98.4	NE.	..	..	1.0	N., snowing.
	5	19.6	764.20	29.989	30.	32.1	31.5	.189	98	NE.	..	..	1.0	N., snowing.
	6	19.5	764.30	29.994	30.6	32.4	31.7	.189	97.8	NE.	..	..	1.0	N., snowing.
	7	19.	764.40	30.000	31.3	33.2	32.5	.195	97.	NE.	..	..	1.0	N., snowing.
	8	17.7	763.85	29.984	32.8	34.5	33.5	.199	96.3	NE.	..	..	1.0	N., snowing.
	9	18.	763.55	29.971	33.2	35.5	34.2	.200	94.8	NE.	..	..	1.0	N.
	10	18.2	763.30	29.959	....	36.7	35.	.203	93.	NE.	..	..	..	
	11	....	.....	.....	....	....	....	....	....	NE.	..	..	..	
	12	....	.....	.....	....	....	....	....	....	NNE.	..	..	..	
	13	....	.....	.....	....	....	....	....	....	NE.	..	..	..	
	14	17.6	762.50	29.932	....	38.2	37.	.225	95.2	NE.	..	..	1.0	N., raining.
	15	16.8	761.85	29.911	36.	38.7	37.5	.229	95.2	NNE.	..	..	1.0	N., raining.
	16	16.5	761.60	29.903	36.	39.5	38.	.229	95.	NNE.	..	..	1.0	N., ? Cu.
	17	16.5	760.90	29.876	36.	39.	37.7	.229	95.8	NNE.	..	..	1.0	N., raining.
	18	16.4	760.75	29.870	35.8	38.9	37.6	.228	95.5	NNE.	..	..	1.0	Cu., Ci-s.
	19	17.	760.80	29.869	35.8	38.5	37.3	.227	96.		..	..	1.0	Cu., Ci-s.
	20	17.7	761.10	29.876	....	37.9	36.5	.218	96.		..	..	.1	Ci-s.
	21	18.9	761.10	29.870	33.5	36.6	35.5	.214	96	/.	..	..	.8	
	22	19.7	760.65	29.850	33.	36.	34.8	.207			..	..	..	
	23	19.8	760.40	29.840	32.	35.3	34.1	.202			..	.23		

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
6	0	....	.....	.....	....	....	....	....	....	NW.	..	..	..	
	1	....	.....	.....	....	....	....	....	....	NW.	..	..	..	
	2	....	.....	.....	....	....	....	....	....	NW.	..	..	..	
	3	....	.....	.....	....	....	....	....	....	WNW.	..	..	..	
	4	....	.....	.....	....	....	....	....	....	NW.	..	..	..	
	5	20.5	759.85	29.813	31.2	34.5	33.4	.198	94.8	NW.	..	..	.1	Ci-s., Ci-cu.
	6	19.4	759.95	29.823	30.8	33.7	32.7	.193	95.2	WNW.	..	..	..	Clear.
	7	18.3	760.00	29.830	....	36.5	35.5	.215	94.4	WSW.	..	..	..	Clear.
	8	17.9	760.15	29.839	33.5	40.7	37.7	.210	89.	W.	..	..	..	Clear.
	9	18.7	760.20	29.837	36.4	41.7	38.6	.217	88.2	WNW.	.5	..	..	Ci., Cu.
	10	20.9	760.50	29.838	....	44.6	40.1	.215	83.	WNW.	.4	..	.2	Ci., Cu.
	11	21.8	760.30	29.826	30.	46.5	40.1	.193	76.	NW.	.3	..	.2	Cu.
	12	20.2	759.50	29.801	32.	48.	41.5	.206	73.5	NW.	1.2	..	.4	Cu.
	13	20.8	759.40	29.794	28.	48.4	40.4	.178	68.	WNW.	1.2	..	.5	Cu.
	14	20.5	759.25	29.789	30.	48.8	41.5	.197	65.	WNW.	2.0	..	.6	Cu.
	15	20.6	759.00	29.779	....	49.	42.2	.209	64.8	WNW.	1.5	..	.9	Cu.
	16	20.5	759.00	29.779	....	50.	41.7	.188	63.	WNW.	1.8	..	.5	Cu.
	17	20.5	759.40	29.795	....	49.3	41.8	.197	62.8	NW.	.3	..	.6	Cu.
	18	21.	759.75	29.807	....	48.	41.	.196	64.	NW.	.2	..	.4	Cu.
	19	21.7	760.40	29.830	....	45.5	40.	.202	68.	WNW.	.1	..	.8	Cu., Ci s.
	20	20.	760.85	29.856	....	43.4	39.2	.210	75.	NW.	..	..	.6	Cu.
	21	19.6	760.95	29.861	31.	42.	38.	.201	80.	NNW.	..	..	.9	Cu.
	22	18.8	760.90	29.863	30.	42.6	38.	.195	79.	NW.	..	..	.9	Cu.
	23	17.8	761.10	29.876	30.8	42.3	37.8	.195	80.	NW.	..	..	.9	N., Cu., raining.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
7	0	17.5	761.25	29.883	30.	39.	36.5	.206	89.	NNW.	.2	..	.1	Cu., Ci s.
	1	18.5	761.50	29.888	29.	38.5	35.5	.191	89.5	WNW.	..	..	..	Ci. in *E.*
	2	19.3	761.55	29.886	29.5	37.2	34.7	.191	89.7	WNW.	..	..	..	Ci. in *E.*
	3	20.1	761.80	29.893	29.2	37.2	34 3	.184	86.8	WNW.	..	..	..	Ci. in *E.* and *S.*
	4	20.9	762.00	29.896	29.3	37.1	34.2	.183	85.9	WNW.	..	..	..	Clear.
	5	21.5	762.50	29.914	29.	37.4	34.9	.193	85.6	WNW.	..	..	..	Clear.
	6	21.4	763.45	29.951	29.6	38.	34.4	.177	83.9	WNW.	..	..	..	Clear.
	7	21.6	764 00	29.971	....	39.9	35.7	.180	82.5	WNW.	..	..	..	Clear.
	8	21.6	764.15	29.977	32.2	40.6	37.1	.200	80.6	WNW.	.5	..	..	Clear.
	9	21.1	764.10	29.978	....	42.6	36.8	.171	76.5	WNW.	1.0	..	..	Clear.
	10	20.6	761.00	29.976	....	44.6	38.8	.188	74.5	WNW.	1.0	..	.2	Ci., Cu.
	11	19.8	763.90	29.977	....	45.6	38.	.161	66.	WNW.	1.7	..	..	A few Ci. and Cu.
	12	17.8	763.00	29.950	....	46.9	36.9	.125	62.	WNW.	2.0	..	..	A few Ci. and Cu.
	13	18.8	762.70	29.933	....	48.2	38.2	.136	60.5	WNW.	2.5	..	..	Clear.
	14	19.1	762.40	29.920	22.	49.5	38.8	.133	60.5	WNW.	2.0	..	..	Clear.
	15	20.2	762.35	29.913	21.5	50.	39.4	.140	60.3	WNW.	1.0	..	..	A few Ci.
	16	19.8	762.40	29.918	21.	50.	39.	.132	59.8	WNW.	1.5	..	..	A few Ci.
	17	20.	762.30	29.912	21.	50.7	39.7	.139	59.7	WNW.	.5	..	.1	Ci.
	18	21.2	762.45	29.913	24.	49.6	40.	.156	60.	WNW.	..	..	.2	Ci.
	19	20.9	762.10	29.900	....	45.2	38.9	.183	64.	WNW.	..	..	..	A few Ci.
	20	19.9	761.90	29.897	26.	42.5	37.	.176	69.	WNW.	..	..	..	Clear.
	21	19.7	762.00	29.902	27.	41.3	36.9	.188	76.5	W.	..	..	.1	Ci., Cu.
	22	19.2	761.30	29.877	28.	39.5	36.	.191	83.	W.	..	..	.8	Cu.
	23	19.8	760.60	29.848	28.6	39.5	36.5	.200	86.	WSW.	..	..	.1	Ci.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
8	0	19.4	760.00	29.825	27.	36.5	35.5	.192	85.	WSW.	..	..	.2	Thin Ci., Ci s.
	1	20.	759.30	29.794	28.	39.	35.7	.190	84.	WSW.	..	..	.1	Ci., Ci s.
	2	20.4	758.70	29.770	28.2	38.8	35.6	.190	84.2	WSW.	..	..	.1	Ci., Ci s.
	3	21.3	757.75	29.728	28.5	38.4	35.4	.191	86.4	WSW.	..	..	.2	Ci., Ci s.
	4	21.9	756.85	29.689	29.	38.2	35.5	.196	88.2	WSW.	..	..	.1	Cu-s., Ci-s.
	5	22 3	756.20	29 661	32.2	40.6	38.	.217	89.5	WSW.	..	..	.2	Cu-s., Ci-s.
	6	22.2	755.65	29.640	34.	41.	38.3	.219	91.	WSW.	..	..	1.0	Cu s., Ci.
	7	21.8	754.80	29.612	33.	42.7	39.3	.220	91.4	WSW.	..	..	1.0	N.
	8	20.3	753.65	29.573	33.5	41.7	40.8	.228	84.6	WSW.	..	..	1.0	N.
	9	18.4	752.30	29 529	....	46.7	42.7	.246	88.5	WSW.	..	..	1.0	N.
	10	17.3	751.45	29.500	37.	49.4	43.7	.238	85.	SW.	.2	..	1.0	N.
	11	17.	750 50	29.465	38.	50.5	44.7	.247	83.5	SW.	.8	..	1.0	N.
	12	17.7	749.65	29.426	38.5	53.1	46.3	.254	81.	SW.	.7	..	1.0	N.
	13	19.3	748 55	29.376	38.7	56.1	47.9	.257	76.5	SW.	1.2	..	1.0	N.
	14	22.	748.00	29.342	39.7	59.	49.8	.270	75.	WSW.	1.0	..	.9	Ci., Ci s.
	15	23.7	747.50	29 315	40.	61.	51.4	.286	73.7	WSW.	1 3	..	1.0	Ci.
	16	23.7	747.40	29.311	40.5	61.2	51.4	.284	74.	WSW.	2.0	..	1.0	N.
	17	23.5	747 65	29.321	41.5	59.8	51.5	.302	75.2	WSW.	1.0	..	1.0	N.
	18	23.1	748.05	29.339	33.	60.7	48.	.209	64.	WNW.	1.1	..	1.0	N., Ci.
	19	22.4	749.00	29.378	31.	57.6	46 2	.202	65.	NW.	.3	..	.9	Ci-s , Ci.
	20	21.9	749.30	29.393	30.5	54.8	44.5	.196	65.5	NNW.	.2	..	.1	Ci.
	21	22.8	749.85	29.411	30.	52.8	43.6	.199	67.	NW.	..	..	..	Clear.
	22	23 9	750 00	29.412	29.	50.5	42.9	.208	68.	NW.	..	..	..	Clear.
	23	23.	749.75	29.406	28.	46.	40.5	.208	72.	NW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
10	0	20.8	753.15	29.550	28.	40.	35.5	.176	85.	NW.	1.0	..	.1	Cu.
	1	20.	753.30	29.560	....	39.6	36.	.190	85.	NW.	1.0	..	.2	Cu.
	2	18.5	753.30	29.567	....	39.0	37.3	.211	85.	NW.	1.0	..	.2	Cu.
	3	18.5	753.65	29.581	....	38.9	36.8	.213	85.	NW.	1.0	..	..	Clear.
	4	18.4	754.15	29.602	....	38.	35.5	.198	86.	NW.	1.0	..	..	Clear.
	5	18.4	754.75	29.626	27.3	37.4	34.4	.183	85.7	NW.	..	..	.1	Cl. s.
	6	17.	755.50	29.662	28.2	38.	34.	.169	84.2	NW.	..	..	'	Cl., Cu.
	7	16.8	756.00	29.680	29.2	38.1	34.6	.180	83.7	NW.	..	..	.2	Cl., Cu.
	8	17.4	756.30	29.688	28.	40.6	36.8	.193	82.2	NW.	..	..	.5	Cu.
	9	18.7	756.65	29.697	25.	41.9	35.7	.158	78.5	NW.	6.0	..	.7	Cu.
	10	18.8	756.90	29.705	25.5	43.5	37.	.165	76.	NW.	4.0	..	.4	Cu.
	11	19.	757.10	29.713	26.5	43.4	36.6	.159	75.5	NW.	5.0	..	.9	Cu.
	12	20.	757.25	29.714	25.8	44.5	37.6	.166	75.	NW.	2.5	..	.9	Cu.
	13	20.4	757.60	29.727	....	43.6	36.5	.154	74.5	NW.	3.0	..	1.0	Cu s., Cu.
	14	21.	757.50	29.720	....	44.5	36.5	.144	73.2	NW.	3.0	..	.8	Cu.
	15	21.2	757.40	29.715	22.	44.2	36.5	.148	72.8	NW.	4.0	..	.9	Cu.
	16	19.9	757.50	29.724	21.5	43.5	36.	.146	72.1	NW.	3.0	..	.5	Cu.
	17	18.3	757.55	29.734	22.	43.8	36.3	.148	72.	NW.	3.0	..	.2	Cu.
	18	17.8	757.80	29.747	22.	43.3	35.9	.146	72.	NW.	1.1	..	..	Cu. at N.
	19	18.	758.40	29.769	22.5	41.4	35.1	.151	74.	NW.	..	..	..	Clear.
	20	18.2	758.75	29.781	23.5	39.9	34.6	.160	75.	WNW.	..	..	..	Clear.
	21	18.9	759.90	29.823	24.	38.	33.6	.162	79.	NW.	..	..	..	Clear.
	22	19.3	760.10	29.829	23.	36.	32.6	.166	82.	NNE.	..	..	..	Clear.
	23	19.3	760.30	29.837	22.	33.8	31.5	.170	83.5	NE.	..	..	..	Clear.

DAILY METEOROLOGICAL OBSERVATIONS. (1843

Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimeters.	Corr. height, inches.	Thermometers, Fah. Dew point.	Dry.	Wet.	Force of vapor, inches.	Hygr., Bennett's.	Wind. Dir., points.	Force, lbs.	Rain, inches.	Sky cleared, tenths.	Clouds, and direction of their strata.
11	0	19.4	760.65	29.851	24.	34.7	31.3	.156	86.	NNE.	.	.	.	Clear.
	1	20.	760.80	29.854	23.5	35.	31.1	.149	84.	NNW.	.	.	.	Clear.
	2	20.5	760.75	29.819	....	37.	....	.138	80.	NW.	.	.	.	Clear.
	3	19.1	761.15	29.871	....	37.4	34.	.176	79.	NW.	.	.	.	Clear.
	4	18.2	761.35	29.883	24.	36.6	33.5	.175	79.5	NW.	.	.	.	Clear.
	5	18.5	762.00	29.907	21.	35.4	29.1	.163	80.6	NW.	.	.	.	Clear.
	6	18.3	763.55	29.930	25.	35.6	31.3	.146	80.8	NW.	.	.	.	Clear.
	7	19.	763.75	29.974	26.	39.2	33.5	.145	77.2	NW.	.	.	.	Clear.
	8	20.2	764.10	29.983	27.5	41.8	36.	.164	75.4	WNW.	.6	.	.	Clear.
	9	20.7	764.60	29.996	24.	44.3	36.	.135	70.6	WNW.	.6	.	.	Clear.
	10	20.4	764.30	29.990	24.5	47.7	39.2	.162	68.	WNW.	.2	.	.	Cu. at N. and W.
	11	21.4	763.90	29.969	24.8	50.	40.2	.156	64.6	WNW.	.6	.	.	Cu. at N. and W.
	12	19.4	763.05	29.944	....	52.7	42.3	.169	63.6	WNW.	1.0	.	.	Cu. at N. and W.
	13	19.7	762.60	29.926	21.	53.1	42.3	.165	63.6	NW.	1.0	.	.	Cu. at N. and W.
	14	19.2	761.90	29.901	27.	51.7	43.2	.180	63.6	NW.	.6	.	.	Cu. at N. and W.
	15	18.6	761.60	29.892	27.	57.1	46.	.178	63.6	WNW.	.	.	.4	Cl., Cu.
	16	18.5	761.50	29.888	29.3	57.7	46.	.172	61.8	WNW.	.2	.	.3	Cl., Cu.
	17	19.2	761.30	29.877	29.5	58.3	46.	.188	61.7	W.	.	.	.1	Cl.
	18	20.4	761.50	29.880	27.	56.6	45.6	.198	62.6	W.	.	.	.2	Cl., Cu.
	19	23.3	762.30	29.896	30.	52.2	44.2	.216	67.8	W.	.	.	.5	Cl., Cl.-cu.
	20	22.8	762.85	29.915	32.	49.4	43.2	.226	69.2	W.	.	.	.9	Cl.-cu., Cl.-cu.
	21	24.3	763.45	29.932	32.	47.7	41.6	.210	72.2	SW.	.	.	.9	Cl.-cu., Cl.-s.
	22	23.4	763.50	29.943	32.	45.2	40.6	.216	78.8	SW.	.	.	.6	Cl.
	23	22.2	763.60	29.952	34.	42.1	39.3	.227	87.	NW.	.	.	.7	Cl., Cl.-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
12	0	22.5	763.75	29.957	34.	42.2	39.3	.226	90.	SW.	..	..	.8	S., Cu-s., Ci-s., Cu.
	1	22.1	763.90	29.966	30.	40.	38.	.224	92.	SW.	..	..	.6	S., Cu-s.
	2	21.3	763.70	29.961	29.	38.9	36.8	.213	93.	SW.	..	..	.8	Cu s., Ci-s.
	3	20.3	763.55	29.960	29.	38.	36.1	.209	94.	SW.	..	..	.6	Cu., Cu-s., Ci-s.
	4	20.	763.60	29.963	30.	36.8	35.5	.211	97.	SW.	..	..	.8	Ci., Ci s.
	5	20.5	764.00	29.976	28.6	37.8	36.1	.211	97.	SW.	..	..	.3	Ci., Ci s.
	6	20.	764.45	29.997	30.8	37.5	36.	.213	95.5	SW.	..	..	.2	Ci., Ci-s.
	7	20.8	764.80	30.007	31.	42.8	40.5	.243	93.9	SW.	..	..	.1	Ci., Ci-s.
	8	22.6	765.00	30.006	....	47.9	43.8	.256	88.3	SW.	..	..	.5	Ci.
	9	25.8	765.35	30.004	38.	53.4	46.4	.252	78.	SW.	..	..	.9	Ci., Ci-s.
	10	25.7	765.30	30.003	37.5	55.8	47.9	.258	76.	SW.	..	..	.9	S., Ci., Cu s.
	11	26.	765.30	30.001	37.3	59.5	49.7	.260	72.	SW.	..	..	.8	Ci., Ci-s.
	12	25.8	764.90	29.987	36.5	63.1	51.	.250	65.	SW.	..	..	.9	Ci., Ci-s.
	13	25.9	764.60	29.974	36.8	65.5	52.7	.265	63.	SW.	..	..	.9	Cu-s., Ci-s.
	14	....	.....	.....	34.5	64.7	51.8	.252	63.3	SSW.	..	..	1.0	Ci-s.
	15	26.2	764.15	29.956	33.5	64.3	52.5	.275	66.8	SSW.	..	..	1.0	Ci-s.
	16	25.8	764.40	29.967	32.	61.3	51.	.271	70.	SSW.	..	..	1.0	S.
	17	25.4	764.60	29.978	31.5	59.5	50.	.267	72.	SSW.	..	..	1.0	Hazy, S.
	18	24.5	764.65	29.984	32.5	56.6	49.9	.297	76.	SSW.	..	..	1.0	S.
	19	24.	764.90	29.995	33.5	53.7	48.8	.303	83.5	SSW.	..	..	1.0	S.
	20	23.7	765.45	30.019	33.	51.2	47.7	.306	88.	SSW.	..	..	1.0	S.
	21	23.1	765.70	30.032	33.5	51.7	48.	.308	90.	SSW.	..	..	1.0	S.
	22	22.7	765.55	30.027	33.3	51.3	48.	.312	91.	SSW.	..	..	1.0	S.
	23	22.	765.25	30.019	32.5	51.5	48.5	.321	92.	SSW.	..	..	1.0	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
13	0	21.2	765.05	30.015	32.8	50.7	48.1	.321	94.	SSW.	..	..	1.0	S.
	1	20.8	764.75	30.005	34.	50.5	47.6	.312	95.	SSW.	..	..	1.0	S.
	2	21.	764.50	29.994	41.	49.8	47.	.306	95.	SSW.	..	..	1.0	S.
	3	22.1	764.75	29.998	44.	48.	46.5	.314	96.	SSW.	..	..	1.0	S., Ci-s.
	4	23.	765.00	30.004	39.	48.	46.5	.314	96.	ESE.	..	..	.8	S., Ci-s.
	5	23.5	765.50	30.021	40.	48.6	46.1	.299	96.3	E.	..	..	1.0	Ci., Cu-s.
	6	23.8	765.90	30.035	....	48.1	46.	.303	96.5	ENE.	..	..	1.0	Ci., Cu-s.
	7	23.8	766.25	30.049	39.	47.7	45.6	.298	97.4	ENE.	..	..	1.0	Ci., N.
	8	22.7	766.00	30.045	40.	48.7	46.5	.306	98.3	ENE.	..	..	1.0	Ci., N.
	9	21.5	766.10	30.056	45.	49.8	47.5	.317	97.	E.	..	..	1.0	S., Cu-s.
	10	21.	766.00	30.053	....	52.8	49.6	.332	95.5	E.	..	..	1.0	Ci., Ci-s.
	11	21.6	765.60	30.034	49.	58.3	53.4	.364	90.	E.	..	..	.9	Cu., Ci-cu., Ci s., Cu-s.
	12	22.2	765.05	30.009	45.	65.3	55.4	.337	77.	SE.	1.0	..	1.0	Cu., S., Cu s.
	13	22.2	765.00	30.007	....	64.3	55.3	.346	78.	SSE.	3.	..	1.0	Cu., Cu-s.
	14	22.5	765.30	30.018	....	58.7	51.7	.318	80.	SSE.	3.	..	1.0	N., raining.
	15	22.	765.05	30.011	45.	56.	50.8	.326	86.5	SE.	1.2	.01	1.0	N., raining.
	16	22.	764.80	30.002	48.5	53.	51.	.364	96.5	ESE.	..	.02	1.0	N., raining.
	17	....	.....	.....	....	....	....	....	..	E.	..	.03	1.0	N., raining.
	18	22.	764.65	29.996	....	52.2	51.1	.376	99.	E.	..	.02	1.0	N., raining.
	19	21.6	764.40	29.987	....	52.8	51.9	.388	98.	E.	..	.01	1.0	N.
	20	21.1	764.50	29.994	....	52.7	52.	.392	98.	E.	..	..	1.0	N.
	21	21.	764.30	29.986	....	52.6	51.8	.388	98.	E.	..	..	1.0	N.
	22	21.5	764.20	29.981	....	53.	52.2	.393	97.5	E.	..	..	1.0	N.
	23	21.9	764.10	29.974	....	53.2	52.2	.391	97.5	E.	..	..	1.0	S., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
14	0	22.9	763.90	29.962	....	53.1	51.8	.382	98.	E.	..	..	1.0	S., Cu-s.
	1	22.9	763.50	29.946	51.	52.7	51.5	.380	97.	ENE.	.2	..	1.0	S., Cu-s.
	2	22.3	763.20	29.936	....	52.5	51.3	.377	97.	ENE.	.5	..	1.0	S., Cu s, raining.
	3	21.9	763.00	29.930	....	52.5	51.2	.374	97.5	ENE.	.5	..	1.0	S., raining.
	4	21.3	762.85	29.928	....	51.5	50.5	.369	98.	ENE.	.5	..	1.0	N.
	5	21.	763.00	29.934	....	51.7	49.8	.350	98.4	ENE.	.6	..	1.0	N., raining.
	6	20.6	763.10	29.940	....	52.2	51.	.373	98.4	ENE.	.8	.01	1.0	N., raining.
	7	20.4	763.30	29.950	....	52.3	51.3	.379	98.3	ENE.	.5	.02	1.0	N., raining.
	8	19.7	763.25	29.951	....	52.4	51.5	.383	96.9	ENE.	.7	.01	1.0	N., raining.
	9	20.4	763.10	29.942	....	53.2	52.	.387	98.	ENE.	1.2	.03	1.0	N., raining.
	10	21.1	762.90	29.931	....	53.6	52.6	.397	99.	ENE.	2.0	.03	1.0	N., raining.
	11	22.2	762.10	29.893	....	54.	53.	.403	99.	ENE.	3.0	.13	1.0	N., raining.
	12	22.	761.85	29.886	....	53.8	53.	.405	99.8	ENE.	3.7	.22	1.0	N., raining.
	13	22.	761.85	29.886	....	54.3	53.7	.416	100.	ENE.	1.5	.04	1.0	N., raining.
	14	22.1	761.40	29.868	....	55.5	55.	.436	100.	ENE.	.4	.08	1.0	N., raining.
	15	22.7	761.10	29.852	....	55.5	54.6	.427	99.	E.	..	.04	1.0	N., raining.
	16	22.7	761.10	29.852	....	55.	54.5	.429	99.	E.	..	.27	1.0	N., raining.
	17	23.1	761.25	29.857	....	55.7	54.8	.429	99.	E.	..	..	1.0	N.
	18	22.8	761.25	29.858	....	55.2	54.5	.427	99.	E.	..	..	1.0	N.
	19	22.	761.00	29.852	....	55.	54.2	.422	99.5	E.	..	..	1.0	N., raining.
	20	22.	761.15	29.858	....	54.7	54.2	.425	99.5	ENE.	..	.28	1.0	N., raining.
	21	21.7	761.00	29.853	....	54.7	54.2	.425	99.5	ENE.	..	.08	1.0	N., raining.
	22	21.2	760.35	29.831	....	54.5	54.	.423	100.	NE.	..	.05	1.0	N., raining.
	23	21.4	760.00	29.816	....	54.1	53.6	.416	100.	NE.	..	.04	1.0	N., drizzling.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Thermometers, Fah. Dew point.	Dry.	Wet.	Force of vapor, ins.	Hygr., Saussure's.	Wind. Dir., points.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
15	0	21.3	760.20	29.824	....	53.6	53.2	.412	100.	NE.	..	..	1.0	N.
	1	21.5	760.10	29.820	....	53.6	53.	.407	100.	ENE.	..	..	1.0	N.
	2	22.2	760.20	29.819	....	52.6	52.	.393	100.	E.	..	..	1.0	N.
	3	23.2	760.35	29.820	....	52.	51.5	.387	100.	E.	..	..	1.0	N.
	4	24.3	760.40	29.817	....	52.	51.5	.387	100.	E.	..	..	1.0	N., S.
	5	24.5	760.35	29.815	....	51.6	51.2	.384	99.	E.	..	..	1.0	Foggy, S.
	6	24.8	760.95	29.838	....	52.2	51.7	.390	99.	E.	..	..	1.0	Foggy, S.
	7	24.2	761.25	29.851	....	52.7	52.2	.396	99.	E.	..	..	1.0	Mist, S.
	8	23 9	761.20	29.850	....	53.8	53.2	.409	99.	NNE.	..	..	1.0	Mist, S.
	9	23.9	761.40	29.858	....	55.1	54.	.417	98.7	NE.	..	..	1.0	Mist, S.
	10	23.8	761.15	29.848	54.8	56.9	55.2	.426	97.	ENE.	..	..	1 0	Mist, S.
	11	24.4	761.40	29.856	54.8	57.9	55.8	.432	97.	ENE.	..	..	1.0	Mist, S.
	12	24.7	761.05	29.841	55.8	61.3	58 8	.475	94.5	ENE.	..	..	.9	Cu , Cu s.
	13	25.	761.00	29.837	57.	63.3	59.7	.478	91.5	ENE.	..	..	1.0	Cu s.
	14	24.8	760.75	29.830	56.5	63.2	59.3	.467	90.8	ENE.	..	..	1.0	Cu-s.
	15	24.4	760.50	29 821	56.8	63.	59.3	.470	91.8	ENE.	..	..	1.0	S., Cu s.
	16	23.9	760.30	29.815	55.8	62.	58.5	.459	93.	NE.	..	..	1.0	S., Cu-s.
	17	23.8	760.50	29.823	56.	61.7	58.1	.451	93.	NNE.	..	..	1.0	N., Cu-s.
	18	23.	760.75	29.838	55.	61.4	58.2	.457	93.	NNE.	..	..	1.0	N., Cu-s.
	19	22.7	761.00	29.848	....	60.2	57.7	.457	96.	NNE.	..	..	.9	Cu s., Ci-s.
	20	22.9	761.50	29.867	56.	59.8	57.4	.453	96.	NNE.	..	..	.6	Cu-s., Ci-s.
	21	23.4	761.60	29.869	55.8	58.5	57.1	.459	99.	NNE.	..	..	.1	Ci s. in *E.*
	22	23.5	761.75	29.874	55.	57.1	56.2	.451	99.	NNE.	..	..	..	Clear.
	23	22.8	761.65	29.874	....	54.2	53.6	.415	99.5	NNE.	..	..	1.0	Foggy.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
17	0	23.5	760.50	29.825	55.	55.4	54.6	.428	100.	SSW.	..	.19	1.0	N., raining.
	1	22.8	759.60	29.793	54.	55.5	54.5	.424	100.	SE.	..	.02	1.0	N., raining.
	2	22.2	758.60	29 756	....	55.7	54.5	.422	99.	SE.	..	.01	1.0	N., raining.
	3	21.4	758.55	29.759	....	55.2	54.3	.422	99.	SSE.	..	..	1.0	N.
	4	21.	758.50	29.759	....	55.2	54.4	.425	99.	SSE.	..	..	1.0	N.
	5	20.6	758.30	29.752	54.	55.2	54.5	.427	98.8	SSE.	..	..	1.0	N.
	6	19.9	758.50	29.763	....	55.2	54.3	.422	99 3	SSE.	..	..	1.0	N.
	7	19.6	758.65	29.771	53.	56.	54.8	.426	98.7	S.	..	..	1.0	N., Cu-s.
	8	19.4	759.00	29.785	57.5	56.7	55.2	.428	97.8	S.	..	..	1.0	Cu-s.
	9	19.4	759.00	29.785	56.5	59.4	57.4	.458	97.	S.	..	..	.9	Ci., Ci-s.
	10	19.7	758.90	29.781	57.	61.9	59.	.474	94.5	S.	..	..	1.0	Cu-s., Ci-s.
	11	19.8	759 05	29.786	57.5	62.6	59.2	.471	93.	S.	..	..	1.0	Cu-s.
	12	20.	759.15	29.788	57.	62.5	59.2	.472	93.	N.	..	..	1.0	Cu-s.
	13	20.1	759.25	29.792	58.	62.	59.3	.481	97.	NNE.	..	..	1.0	Cu s.
	14	20.2	759.85	29.815	54.5	59.	56.4	.435	98.	N.	.2	..	1.0	N.
	15	19.7	760.15	29.830	52.3	55.	53.5	.404	100.	NNE.	.8	..	1.0	N., raining.
	16	19.	760.00	29.827	49.7	52.7	51.	.367	98.3	NNE.	1.0	..	1.0	N.
	17	18.3	759.75	29.820	48.5	50.3	49.3	.354	99.4	NE.	1.0	.01	1.0	N., raining.
	18	17.1	760.10	29.841	47.	49.	48.	.338	99.	NE.	2.0	.05	1.0	N., raining.
	19	14.8	760.30	29.860	45.4	48.2	46.9	.321	97.	NE.	2.7	.01	1.0	N., Cu-s.
	20	17.4	761.00	29.873	44.5	47.2	45.9	.309	98.	NE.	2.7	..	1.0	N.
	21	20.6	761.60	29.882	42.8	47.	45.5	.303	97.	NE.	1.7	..	1.0	N.?
	22	21.3	761.65	29.881	41.2	46.3	44.9	.297	97.	NE.	2.3	..	1.0	N.?
	23	21.	761.80	29.888	42.	45.7	44.4	.293	97.	NE.	1.0	..	1.0	N.

ate.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
18	0	20.9	761.80	29.889	42.5	45.3	44.2	.294	98.	NE.	1.0	..	1.0	N., drizzling.
	1	20.8	761.65	29.883	42.8	45.	43.8	.289	98.	ENE.	2.5	..	1.0	N., drizzling.
	2	21.4	761.95	29.893	43.	45.	43.7	.286	99.	ENE.	2.0	..	1.0	N., drizzling.
	3	21.8	761.50	29.873	43.8	44.5	43.6	.290	100.	ENE.	3.0	..	1.0	N., drizzling.
	4	21.5	761.65	29.881	43.	44.5	43.5	.288	100.	ENE.	3.5	.02	1.0	N., raining.
	5	21.3	762.10	29.898	41.5	44.2	42.8	.275	98.4	ENE.	3.0	..	1.0	N., raining.
	6	21.	762.90	29.931	41.3	44.	42.7	.275	99.3	ENE.	3.0	.014	1.0	N., raining.
	7	20.9	763.45	29.953	40.5	43.6	42.4	.274	97.7	ENE.	1.0	.04	1.0	N., raining.
	8	20.4	763.50	29.958	....	43.7	42.1	.266	95.6	ENE.	2.0	.02	1.0	N.
	9	19.3	763.45	29.921	39 5	44.	41.9	.259	95.	ENE.	5.0	..	1.0	Cu-s.
	10	18.1	763.05	29.951	39.	43.9	41.8	.258	95.	ENE.	5.3	..	1.0	Cu-s.
	11	17.7	763.30	29.962	39.	43.5	41.2	.250	94.	ENE.	5.0	..	1.0	Cu s.
	12	18.	763.30	29.961	38.8	43.2	41.2	.254	95.	ENE.	5.0	..	1.0	N., Cu-s., drizzling.
	13	18.2	763.80	29.979	....	43.5	41.2	.250	94.	ENE.	3.0	..	1.0	Cu s.
	14	19.9	764.00	29.979	39.5	43.3	41.5	.259	96.	ENE.	2.0	..	1.0	N., drizzling.
	15	20.6	763.90	29.972	39.3	42.5	41.	.257	97.	ENE.	1.2	..	1.0	N., drizzling.
	16	20.8	764.20	29.983	37.5	43.2	40.7	.243	93.	ENE.	3.0	..	1.0	Cu-s.
	17	21.5	764.30	29.985	38.	43.2	41.	.249	93.9	ENE.	3.0	..	1.0	Cu-s.
	18	21.5	764.90	30.009	38.3	42.8	41.	.254	94.5	NE.	1.8	..	1.0	Cu-s.
	19	19.8	765.25	30.030	40.3	42.3	41.	.259	97.4	NE.	.7	..	1.0	N., raining.
	20	18.7	766.00	30.065	38.8	42.	40.8	.258	98.4	NE.	.8	.02	1.0	N., raining.
	21	18.6	765.90	30.061	40.	41.8	40.7	.259	98.9	NE.	.6	.03	1.0	N., drizzling.
	22	19.5	765.75	30.051	37.8	41.5	40.3	.253	98.5	NE.	1.0	.01	1.0	N., raining.
	23	20.2	766.15	30.063	37.	41.2	40.	.250	97.	NE.	3.0	..	1.0	N., raining.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
19	0	19.9	766.70	30.086	37.5	40.7	39.2	.240	97.	NE.	1.5	..	1.0	N., drizzling.
	1	19.9	766.50	30.078	36.8	39.7	38.5	.237	98.	ENE.	.8	..	1.0	N.
	2	19.5	766.05	30.063	36.	39.7	38.5	.237	98.5	NE.	.8	..	1.0	Cu.
	3	19.2	766.25	30.072	36.4	39.	37.4	.223	96.	NE.	1.1	..	1 0	Cu.
	4	19.5	766.50	30.081	....	39.	37.	.215	95.	NE.	.2	..	1.0	Ci-s.
	5	19.8	766.75	30.090	34.8	38.6	36.9	.218	95.7	NNE.	.5	..	1.0	Ci-s., Ci.
	6	19.8	767.15	30.105	35.2	39.1	37.3	.220	95.4	NNE.	.2	..	1.0	Ci-s., Ci.
	7	19.7	767.75	30.129	35.1	39.	37.4	.223	94.2	NNE.	.3	..	1.0	Ci-s., Ci.
	8	19.8	767.80	30.131	35.3	39.3	37.5	.222	93.8	NNE.	.5	..	1.0	Ci-s., Ci.
	9	19.8	768.00	30.139	35.4	39.7	38.	.227	94.	NNE.	.8	..	1.0	N., Cu-s.
	10	19.6	768.00	30.139	35.5	39.8	38.2	.230	95.	NE.	.7	..	1.0	N., Cu s.
	11	18.2	767.65	30.131	35.2	40.6	38.7	.231	94.3	NE.	.5	..	1.0	N., Cu-s.
	12	18.7	767.60	30.128	35.8	41.4	38.8	.223	92.6	NNE.	.6	..	1.0	N., Cu s.
	13	19.7	767.60	30.123	36.	42.	39.4	.229	91.2	NE.	.5	..	1.0	Cu-s.
	14	19.	767.40	30.118	36.	42.9	40.	.231	90.	NE.	.4	..	1.0	N., Cu-s.
	15	19.6	767.35	30.113	35.2	42.8	39.7	.227	89.9	NE.	.5	..	1.0	N., Cu-s.
	16	20.	767.30	30.109	34.4	41.9	40.	.244	90.	NE.	.3	..	1.0	N., Cu-s.
	17	21.	767.85	30.127	36.3	42.7	40.	.233	90.8	NE.	..	..	1.0	N., Cu-s.
	18	21.7	767.60	30.113	37.	43.	40.5	.241	91.	NNE.	..	..	1.0	N., Cu-s.
	19	20.5	767.35	30.108	36.7	43.	40.3	.236	90.8	NNE.	..	..	1.0	Cu-s.
	20	20.9	767.55	30.115	37.5	43.	40.8	.247	91.2	NNE.	..	..	1.0	Ci., Cu-s.
	21	22.	767.70	30.116	....	42.8	41.	.254	92.1	NNE.	..	..	.7	Cu-s.
	22	21.5	767.50	30.111	....	43.	40.6	.243	92.	NNE.	..	..	1.0	N., Cu-s.
	23	20.7	767.55	30.116	....	43.	40.6	.243	92.	NNE.	..	..	1.0	N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their stratu.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
20	0	21.4	767.40	30.107	....	43.	40.6	.243	92.	NNE.	..	..	.8	Cu s.
	1	22.4	767.35	30.099	....	42.9	40.6	.244	93.	NNE.	..	..	.9	Cu-s., Ci-s.
	2	22.2	767.00	30.086	....	42.5	40.	.236	94.	NNW.	..	..	.9	Cu., Ci-s.
	3	22.3	766.75	30.077	....	42.4	40.2	.241	94.	NW.	..	..	1.0	Cu-s, Ci-s.
	4	23.	766.10	30.048	....	42.5	40.5	.246	94.	NW.	..	..	.9	Cu-s., Ci s.
	5	21.8	767.30	30.101	37.5	41.8	39.9	.241	94.6	NW.	..	..	1.0	Ci-s.
	6	21.4	767.50	30.111	37.	41.8	39.8	.240	94.5	NW.	..	..	.9	Ci s.
	7	20.8	767.75	30.123	39.2	43.4	40.5	.236	91.4	NW.	..	..	.2	Ci., Cu.
	8	20.	767.75	30.127	....	46.3	41.8	.230	84.5	NNW.	..	..	.2	Ci., Cu.
	9	20.8	767.50	30.113	37.6	48.2	43.4	.243	83.	N.	..	..	.2	Ci., Cu.
	10	21.9	767.65	30.114	39.3	50.5	45.3	.259	82.	NNE.	..	..	.2	Cu.
	11	22.2	767.10	30.090	41.	52.8	47.2	.275	81.	NNW.	..	..	.6	Ci., Cu.
	12	22.	766.75	30.079	41.3	55.	48.2	.274	78.	NE.	..	..	.8	Cu.
	13	23.1	766.80	30.076	41.3	56.7	49.4	.284	76.	NE.	..	..	.8	Ci., Cu.
	14	23.5	766.50	30.061	....	58.	55.5	.322	75.	N.	..	..	..	.
	15	23.8	766.05	30.041	....	58.7	51.	.300	74.2	NNE.	..	..	.9	Cu., Cu-s.
	16	24.	766.05	30.040	....	59.5	51.1	.294	73.5	NNE.	..	..	.8	Cu., Ci.
	17	23.9	766.35	30.053	40.5	58.6	51.1	.304	73.5	NNE.	..	..	.9	(1) Cu., *NW.*; (2) Ci., *NW.*
	18	23.1	766.45	30.062	40.	57.8	50.7	.302	75.	NNE.	..	..	1.0	Cu., *NW.*
	19	22.8	766.65	30.071	47.5	56.3	52.	.352	82.5	NNE.	..	..	1.0	Cu.
	20	23.2	767.05	30.083	46.	54.7	50.8	.340	85.	NNE.	..	..	.3	Cu.
	21	23.	767.45	30.101	44.	51.	48.1	.317	88.	NNE.	..	..	.1	Cu.
	22	22.3	767.50	30.106	42.8	49.7	47.	.306	90.	NNE.	..	..	..	Cu. at the *W.*
	23	21.8	767.40	30.105	41.5	50.1	46.	.279	88.	NNE.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
21	0	21.	767.30	30.105	41.	49.	45.3	.276	89.	NNE.	..	..	..	Clear.
	1	20.4	767.15	30.102	40.8	46.5	44.	.276	92.	NNW.	..	..	..	Clear.
	2	19.5	767.00	30.100	38.	46.1	44.3	.287	92.	NW.	..	..	..	Clear.
	3	19.1	767.30	30.113	40 2	45.4	42.6	.257	92.5	NW.	..	..	..	Clear.
	4	19.5	767.45	30.118	40.	44.2	41.6	.250	93.	NW.	..	..	..	Clear.
	5	19.6	767.75	30.129	38.5	42.8	40 9	.251	95.9	NNW.	..	..	..	Clear.
	6	18.9	768.10	30.146	40.5	44.7	42.2	.257	94.8	NNW.	..	..	..	Clear.
	7	19.1	768.60	30.164	42.2	48.2	45.	.278	91.9	N.	..	..	..	Clear.
	8	19.5	769.00	30.177	43.	50.3	46.4	.286	89.9	NNW.	..	..	..	Clear.
	9	21.7	769.20	30.174	45.2	52.5	48.8	.316	87.	NNW.	..	..	.1	Ci.
	10	23.9	769.10	30.159	47.	56.4	50.6	.315	83.	NNW.	..	..	..	A few Ci.
	11	23.8	768.00	30.118	44.8	59.	51.4	.307	79.	N.	..	..	..	A few Ci.
	12	22.3	768.20	30.134	42.	61.2	53.6	.337	72.	NNE.	..	..	1.0	Haze, Cu.
	13	24.6	767.50	30.095	42.	62.7	56.	.383	73.	NNE.	..	..	1.0	Haze, Cu., Ci.
	14	24.6	767.40	30.091	40.	64.5	55.9	.360	71.	SW.	..	..	1.0	Haze, Cu., Ci.
	*15	25.5	766.65	30.057	39.5	67.	57.	.361	67.8	SSW.	..	..	.3	Ci.
	16	25.5	766.30	30.043	†....	67.4	56.5	.343	68.	S.	..	..	.2	Ci.
	17	25.9	766.10	30.034	†....	67.1	56.6	.349	68.	SSW.	..	..	.2	Ci.
	18	25.8	766.15	30.036	45.2	64.5	55.5	.349	71.	SSW.	..	..	1.0	Ci., hazy.
	19	25.2	766.50	30.053	45.	60.2	52.8	.328	74.	SSW.	..	..	.3	Ci.
	20	24.	766.30	30.051	43.5	55.	50.	.317	85.	SSW.	..	..	..	A few Ci.
	21	23.1	766.15	30.050	43.8	52.	48.1	.306	87.5	SSW.	..	..	..	Clear.
	22	22.4	765.85	30.040	42.4	50.2	47.	.301	90.	SSW.	..	..	..	Clear.
	23	21.5	765.80	30.044	43.	48.8	46.2	.299	92.5	SSW.	..	..	..	Clear.

* Twenty-five minutes late.

† The observations registered were obviously incorrect.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
22	0	21.	765.30	30.026	43.5	48.	45.7	.296	94.	SSW.	..	..	..	Clear.
	1	21.5	765.10	30.016	42.	47.	45.2	.297	96.	SSW.	..	..	..	Clear.
	2	20.9	764.50	29.995	*....	46.7	45.	.295	97.	SSW.	..	..	..	Clear.
	3	20.4	764.50	29.998	41.4	46.5	45.	.297	97.	SSW.	..	..	.8	Cu., Cu-s.
	4	20.3	764.70	30.006	41.8	46.2	45.6	.314	98.	SSW.	..	..	.9	Cu., Cu-s.
	5	21.3	764.50	29.993	42.	47.1	45.7	.306	98.	SSW.	..	..	.8	(1) Cu., *NW.*; (2) Ci., *NW.*
	6	21.3	764.80	30.005	45.5	48.7	47.	.318	96.	SSW.	..	..	.2	Ci-s., Ci.
	7	21.1	765.40	30 029	46.	51.9	49.	.329	93.5	SSW.	..	..	.6	(1) Cu., *NW.*; (2) Ci., *NW.*
	8	21.	765.15	30.020	47.	54.7	50.5	.333	90.	SSW.	..	..	.3	Cu., Ci., Ci-cu., *NW.*
	9	21.8	765.40	30.026	48.	57.1	53.	.368	86.	SSW.	..	..	.2	Ci-cu., Ci-s.
	10	22.6	765.25	30.015	*....	60.7	55.3	.387	85.	SSW.	..	..	.05	Ci., Ci-cu.
	11	23.4	764.60	29.987	51.6	64.8	58.2	.419	82.	SSE.	..	..	1.0	Hazy, Ci-cu.
	12	24.	764.50	29.979	51.8	69.3	61.	.448	79.	ESE.	..	..	1.0	Hazy, Ci., S.
	13	24.8	764.00	29.957	54.	69.7	62.	.474	80.	SSW.	..	..	1.0	Hazy, Ci., S.
	14	25.2	763.85	29.948	57.2	71.7	63.2	.487	78.	SSW.	..	..	1.0	Hazy, Ci., S., Cu.
	15	25.4	763.15	29.920	56.5	71.5	63.5	.498	79.	SSW.	..	..	.8	Hazy, Ci., S.
	16	25.8	763.00	29.911	*....	71.6	64.6	.531	79.	S.	..	..	1.0	Hazy, Ci-cu., Ci-s.
	17	25.7	762.95	29.911	51.7	68.9	60.7	.444	80.	SSE.	.1	..	1.0	Hazy, Cu.
	18	25.2	768.85	29.909	50.	63.8	57.	.397	82.5	ESE.	.8	..	1.0	Hazy, Cu., Ci-cu.
	19	24.3	763.10	29.922	48.3	60.	54.4	.371	85.5	SE.	.7	..	1.0	Cu-s., Cu., *W.*
	20	23.6	763.40	29.938	45.2	57.6	52.4	.347	86.	SE.	.5	..	.9	Cu-s., Cu.
	21	23.7	763.50	29.942	45.5	56.4	51.	.326	87.	SE.	.5	..	1,0	N., raining.
	22	23.7	763.25	29.932	47.5	54.2	51.4	.361	93.5	SSE.	.2	.01	1,0	N., raining.
	23	23.1	762.90	29.922	49.2	53.5	51.4	.369	97.5	SSE.	.1	.02	1.0	N., raining.

* The observations registered were obviously incorrect.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
24	0	19.9	754.10	29.592	54.	56.	55.4	.441	97.	SW.	..	..	.1	Cu-s.
	1	18.9	754.00	29.593	51.2	55.5	54.2	.417	97.	SW.	..	..	.1	Cu.
	2	18.8	754.35	29.607	50.2	52.5	51.6	.384	98.	SW.	..	..	..	Clear.
	3	19.3	754.60	29.615	50.	51.3	50.6	.373	98.	SW.	..	..	.5	Cu., Cu s.
	4	20.2	754.95	29.625	48.	52.	51.2	.380	98.	SW.	..	..	.7	Cu.
	5	21.5	755.20	29.629	47.5	51.7	50.8	.374	98.3	SW.	..	..	.2	Ci-cu., Cu-s.
	6	22.	755.60	29.642	50.	52.6	51.8	.388	97.5	SW.	..	..	.1	Ci-cu.
	7	22.9	756.25	29.661	56.6	59.6	56.2	.424	90.8	SW.	..	..	..	Ci-cu.
	8	23.4	756.25	29.658	....	62.	57.2	.423	88.9	W.	..	..	..	Cu.
	9	23.4	756.25	29.658	57.2	64.	59.7	.471	87.	NW.	.2	..	.05	A few Cu. at Hor.
	10	23.2	756.25	29.658	*....	66.4	59.9	.450	83.	NW.	.1	..	.1	Cu.
	11	23.6	756.60	29.671	56.	68.7	61.	.456	81.5	NW.	.2	..	.6	Cu.
	12	24.	756.15	29.650	55.	70.	63.3	.510	79.	NW.	.3	..	.8	Heavy Cu.
	13	24.	756.15	29.650	....	70.5	61.7	.457	78.	NW.	.2	..	.9	Heavy Cu.
	14	24.1	756.05	29.646	60.	67.1	63.6	.550	91.	NNW.	.5	.03	.6	N., Cu., Ci-cu.
	15	23.2	756.25	29.658	57.2	64.6	61.1	.504	91.	NNW.	.8	..	1.0	N., raining.
	16	23.9	756.30	29.657	57.	66.5	62.2	.516	87.	NW.	.3	.02	1.0	N., raining.
	17	24.	756.60	29.668	55.2	66.5	60.5	.466	86.	NW.	..	.01	.9	Cu., Cu-s.
	18	23.7	757.10	29.691	56.2	66.2	60.4	.466	86.5	NNW.	..	..	.5	Cu., Cu s.
	19	23.2	757.55	29.710	55.	63.9	59.1	.455	88.	N.	..	..	.1	Cu., Cu-s., *NW.*
	20	23.	758.55	29.751	52.8	63.3	58.	.430	87.	NNW.	..	..	..	Cu.
	21	24.2	759.00	29.762	51.	61.6	56.2	.401	87.	NNW.	..	..	..	Clear.
	22	24.1	759.10	29.766	51.	60.1	55.2	.390	88.	N.	..	..	..	Clear.
	23	24.2	759.20	29.770	50.5	58.8	54.4	.385	89.	N.	..	..	..	Clear.

* The observation registered was obviously incorrect.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
25	0	24.	759.00	29.762	49.7	58.5	53.7	.369	87.5	N.	..	..	..	Clear.
	1	24.	758.65	29.749	47.	57.5	53.	.364	89.	N.	..	..	..	Clear.
	2	23.2	758.35	29.741	48.8	56.6	52.	.349	88.5	NNW.	..	..	..	Clear.
	3	22.9	758.70	29.757	....	54.9	51.	.342	89.5	NNW.	..	..	..	Clear.
	4	22.8	758.85	29.764	49.	53.	49.6	.330	91.	N.	..	..	..	
	5	22 3	759.00	29.771	45.3	52.1	49.1	.328	91.8	N.	..	..	.1	Ci., Ci-cu. in *W.*
	6	22.	759.50	29.793	47.	53.8	50.2	.336	90.8	N.	..	..	.1	Ci-cu.
	7	22.	760.00	29.813	49.	56.4	52.2	.355	89.2	N.	..	..	.4	Ci., Ci-cu.
	8	22.1	760.15	29.818	49.	59.4	54.5	.380	87.5	NNE.	..	..	.8	Ci-cu.
	9	22.9	760.35	29.822	51.	61.4	55.6	.386	85.	NNE.	..	..	.9	Cu., fleecy Ci.
	10	23.1	760.35	29.822	51.	62.6	56.4	.395	85.5	NNE.	..	..	.6	(1) Cu., *NE.*; (2) Ci., *NE.*
	11	23.5	759.75	29.795	53.5	64.3	57.7	.411	85.	NE.	..	..	.9	(1) Cu., *NE.*; (2) Ci., *NE.*
	12	23.7	759.85	29.799	52.5	65.5	58.	.405	82.	N.	..	..	.9	Cu.
	13	23.9	759.50	29.783	54.5	67.2	60.6	.461	82.	NNW.	..	..	.8	Cu., Ci-cu.
	14	24.2	759.15	29.768	52.2	67.7	60.2	.444	80.	NW.	..	..	.7	Cu., Ci cu.
	15	24.3	758.85	29.756	53.5	69.8	61.6	.462	76.	NW.	..	..	.6	Cu., Ci cu.
	16	24.6	759.20	29.768	51.3	69.8	59.9	.412	75.	NNW.	..	..	.6	Cu.
	17	25.2	758.80	29.750	51.5	70.1	61.	.441	76.	E.	..	..	.8	Cu., *N.*
	18	24.8	758.80	29.753	53.	68.5	60.5	.444	78.5	N.	..	..	.8	Cu., *N.*
	19	24.3	758.85	29.756	52.	65.7	59.5	.447	83.	NE.	..	..	.9	(1) Cu., *N.*; (2) Ci.-
	20	23.7	759.40	29.781	52.5	63.6	57.8	.421	85.	NE.	..	..	.1	Ci., Cu.
	21	23.4	759.85	29.800	51.5	60.	55.8	.408	90.	E.	..	..	..	Cu., Ci.
	22	23.	760.45	29.826	50.	56.7	53.7	.389	93.	E.	..	..	..	Cu., Ci.?
	23	22.2	760.30	29.823	50.	54.6	52.5	.384	97.	E.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
26	0	21.3	760.75	29.846	48.	52.2	50.7	.365	98.	E.	..	..	..	Clear.
	1	20.9	760.65	29.844	48.	51.	49.8	.358	100.	E.	..	..	..	Clear.
	2	20.1	760.85	29.856	48.	50.2	49.1	.350	100.	E.	..	..	..	Clear.
	3	19.4	760.40	29.841	47.	50.	49.	.350	100.	E.	..	..	..	Clear.
	4	19.9	760.05	29.829	46.5	49.8	48.8	.247	99.	E.	..	..	..	Clear.
	5	18.4	760.20	29.838	47.	48.7	48.	.341	98.9	E.	..	..	.2	Ci-cu.
	6	17.9	760.60	29.856	50.8	51.2	50.2	.365	97.3	E.	..	..	.3	Ci-cu., Ci.
	7	17.8	760.50	29.853	50.6	52.6	51.5	.381	99.	E.	..	..	1.0	Cu.
	8	18.6	760.75	29.859	52.	53.	52.1	.391	98.4	ENE.	.2	..	1.0	Cu.
	9	17.7	760.40	29.849	51.5	55.4	54.2	.418	98.	ENE.	..	..	1.0	Cu.
	10	17.6	760.60	29.858	51.	56.7	55.2	.428	97.	ENE.	..	..	1.0	Cu.
	11	17.7	760.75	29.863	53.	57.8	56.8	.459	96.	ENE.	..	..	1.0	Cu.
	12	18.	760.00	29.832	54.	61.4	58.2	.457	94.	ENE.	..	..	1 0	Cu.
	13	18.4	759.80	29.822	56.5	63.8	60.5	.495	94.	E.	..	..	.7	Cu., Ci-s., Ci.
	14	18.8	759.60	29.811	57.7	65.6	61.2	.495	90.	E.	..	..	1.0	Cu., Cu-s.
	15	19.1	759.00	29.786	56.5	64.5	60.7	.493	91.	E.	..	..	1.0	N., Cu-s.
	16	19.5	759.00	29.785	57.6	65.5	62.	.520	92.	E.	..	..	1.0	Cu-s.
	17	21.1	758.45	29.756	58.3	65.2	61.7	.515	93.	E.	..	..	1.0	Cu, Cu-s., *W.*
	18	24.9	759.30	29.770	58.3	64.5	61.5	.517	94.	E.	..	..	1.0	(1) Cu-s., *S.*; (2) Cu.
	19	25.4	759.35	29.771	59.5	64.	61.5	.523	95.	E.	..	..	1.0	(1) Cu-s., *SW.*; (2) Ci.
	20	27.3	759.50	29.767	58.	62.4	60.	.497	97.	E.	..	..	1.0	Cu-s.
	21	27.1	759.25	29.757	57.	60.1	58.2	.472	97.5	ESE.	..	..	1.0	N., drizzling.
	22	26.3	759.00	29.752	55.8	58.6	57.1	.458	99.	SE.	..	..	1.0	Cu-s.
	23	25.4	758.15	29.724	55.	57.3	56.	.443	99.	SSE.	..	..	1.0	N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
27	0	24.6	757.55	29.704	53.8	56.2	55.	.429	100.	SSE.	..	..	1.0	N.
	1	23 8	756.70	29.673	52.4	55.1	54.1	.418	100.	SSE.	..	..	1.0	N.
	2	23 5	756.00	29.647	51.4	54.6	53.6	.411	100.	SSE.	..	..	1.0	N., raining.
	3	23.4	756.80	29.680	51.9	55.2	54.	.415	98.	SW.	..	..	1.0	N., raining.
	4	23.3	755.15	29.617	50.	55.	54.	.417	98.	SW.	..	.01	1.0	N., raining.
	5	23.	754.25	29.584	52.	55.	53.6	.407	98.8	SSE.	..	.04	1.0	N.
	6	22.5	753.60	29.560	50.	55.	53.5	.405	98.4	SE.	..	..	1.0	Cu., *SW.*
	7	21.9	753.75	29.569	50.2	55.5	54.2	.417	97.4	SE.	..	..	1.0	S., Cu., *SW.*
	8	22.8	754.30	29.587	52.8	56.3	54.6	.418	97.	SW.	..	..	1.0	Cu-s., Cu.
	9	24.4	752.85	29.522	54.2	58.5	56.5	.443	97.	W.	..	..	1.0	S., Cu.
	10	24.6	752.45	29.505	56.7	59.2	57.3	.457	96.	SSW.	..	..	1.0	S., Cu.
	11	25.	752.00	29.485	57.8	63.	60.4	.501	95.	SSW.	..	..	1.0	Cu.
	12	25.3	751.00	29.444	59.5	65.6	62.5	.534	94.	S.	..	..	.9	Ci., Ci cu.
	13	25.7	750.00	29.404	62.	69.5	65.	.567	91.	SSW.	.1	..	.3	Ci., Cu.
	14	26.3	749.25	29.370	66.	72.5	67.2	.606	89.	SSW.	.4	..	.2	Ci cu., Cu.
	15	26.9	749.00	29.357	63.5	72.	67.	.604	90.	SW.	..	..	1.0	Cu., N., S., *E.*
	16	26.9	750.00	29.397	*	66.	63 6	.563	....	W.	.5	.11	1.0	N., raining.
	17	26.9	750.80	29.429	57.	64.	61.3	.516	96.	W.	..	.09	1.0	†
	18	25.2	752.00	29.484	53.	60.	57.	.440	94.	NW.	.3	.01	1.0	‡
	19	23.9	751.45	29.469	48.	55.1	51.3	.348	92.	NNW.	1.2	.03	.8	§
	20	22.8	754.50	29.595	45.	52.2	48.	.303	90.	NNW.	3.0	..	.1	Cu.
	21	21.8	755.10	29.623	41.7	51.6	46.4	.272	87.	NNW.	2.0	..	.1	Cu.
	22	21.4	755.60	29.645	41.5	51.	46.4	.279	87.	NNW.	4.0	..	1.0	Cu-s.?
	23	23.7	757.10	29.691	42.	49.1	45.7	.284	90.	NNW.	5.0	.03	.8	N.

* Observation recorded obviously incorrect.

† (1) Cu., N., *NW.*; (2) Cu., Cu-s., *W.*

‡ (1) Cu., N., *NW.*; (2) Cu-s., *W.*, raining.

§ (1) Cu., Cu-s., *NW.*; (2) Cu., Cu s., *SW.*

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
28	0	24.4	758.25	29.732	37.5	49.	43.5	.237	84.	NNW.	3.0	..	.3	Cu., Cu-s.
	1	24.3	758.70	29.750	37.2	49.	43.	.226	81.5	NW.	..	..	.1	Cu-s.
	2	23.6	760.00	29.805	37.	48.	42.2	.220	79.	NW.	..	..	..	Clear.
	3	23.2	759.50	29.786	37.8	47.5	43.5	.254	83.5	NW.	..	..	..	Clear.
	4	22.8	760.05	29.811	32.4	47.4	43.4	.253	84.	NW.	..	..	..	Clear.
	5	21.8	760.65	29.840	37.2	47.6	44.9	.283	84.2	NW.	..	..	.1	Ci-s., Ci.
	6	21.4	761.50	29.875	40.	48 6	45.1	.277	84.	NW.	.1	..	..	Ci.
	7	21.3	762.10	29.898	43.	51.7	46.7	.277	80.9	NW.	.3	..	..	Clear.
	8	21.2	762.55	29.917	45.	53.7	50.	.332	80.6	NW.	.2	..	..	Clear.
	9	21.2	762.70	29.923	45.5	57.1	51.	.318	78.	NNW.	.2	..	..	Clear.
	10	21.5	762.80	29.926	47.	60.	52.4	.320	77.	NW.	..	..	..	A few Cu. in *N.*
	11	21.8	762.75	29.922	46.	62.2	53.	.311	71.	NW.	..	..	.05	Ci.
	12	21.	762.15	29.901	49.	65.2	55.7	.347	69.	NW.	.5	..	.4	Ci.
	13	21.8	761.50	29.873	45.5	67.6	56.5	.341	65.	WNW.	.2	..	.1	Ci.
	14	22.2	761.20	29.858	46.	69.2	57.2	.341	64.	WNW.	.4	..	..	Clear.
	15	22.2	760.85	29.845	40.	69.5	57.2	.338	60.	WNW.	1.0	..	..	Clear.
	16	22.5	760.75	29.840	39.	70 6	....	....	61.5	WNW.	2.7	..	..	A few Cu. in Hor.
	17	22.9	760.55	29.830	40.5	70.7	58.7	.366	60.5	WNW.	1.7	..	..	Clear.
	18	23.	760.70	29.836	41.	68.8	55.1	.290	60.5	WNW.	1.0	..	..	Clear.
	19	22.3	760.80	29.843	40.	64.6	53.3	.290	64.	WNW.	..	..	..	Clear.
	20	22.1	761.20	29.860	40.	62.2	54.8	.356	77.5	WNW.	..	..	..	Clear.
	21	21.8	761.50	20.875	40.4	62.3	52.2	.289	68.	WNW.	..	..	..	Clear.
	22	21.	761.70	29.884	41.	60.5	51.5	.292	69.	WNW.	..	..	..	Clear.
	23	20.7	762.00	29.897	42.	60.	50.8	.281	70.	WNW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Dir., points.	Force, lbs.			
29	0	20.2	762.00	29.899	41.8	58.3	51.5	.317	73.5	WNW.	..	..	..	Clear.
	1	20.	761.95	29.899	41.	57.8	50.5	.298	75.	WNW.	..	..	..	Clear.
	2	19.4	761.95	29.902	39.8	57.3	50.8	.311	76.	WNW.	..	..	..	Clear.
	3	19.	762.00	29.905	....	54.3	49.9	.323	81.	WNW.	..	..	..	Clear.
	4	18.4	761.95	29.907	....	52.8	48.8	.313	88.	WNW.	..	..	..	
	5	17.9	762.15	29.916	44.2	50.7	48.5	.330	95.	WNW.	..	..	.2	Cu-s., Ci-cu.
	6	17.5	762.70	29.940	46.8	52.2	50.	.348	95.4	WNW.	..	..	.6	Cu., *NW.*
	7	17.8	762.75	29.941	50.5	57.9	53.8	.379	88.2	W.	..	..	.1	Ci.
	8	18.	762.75	29.940	54.2	62.2	58.1	.445	87.	SW.	..	..	.1	Ci.
	9	19.	762.85	29.939	46.5	67.5	60.5	.454	72.	SW.	..	..	..	Ci.
	10	19.4	763.30	29.954	52.	69.	60.3	.431	71.	NNW.	..	..	..	Clear.
	11	20.2	763.30	29.950	49.	70.5	60.5	.420	71.	N.	..	..	.3	Ci., Ci-cu.
	12	21.3	763.00	29.933	54.	72.8	64.9	.526	76.	WNW.	..	..	.7	Ci., Cu.
	13	21.9	762.40	29.907	54.	74.	65.3	.526	74.	S.	..	..	.9	Ci., Cu.
	14	22.3	762.00	29 889	54.4	74.5	63.8	.473	71.	S.	..	..	.6	Ci., Cu., Ci cu.
	15	22.9	762.25	29.897	52.1	73.8	63.	.457	75.	SSE.	..	..	.6	Ci., Cu., Ci-cu., *W.*
	16	23.	762.30	29.898	52.5	69.	60.9	.448	77.	ESE.	1.8	..	.3	Ci., Cu.
	17	23.	762.10	29.890	49.5	65.8	58.2	.408	79.	SSE.	1.0	..	.6	(1) Cu.; (2) Ci., *WNW.*
	18	22.5	762.40	29.904	48.	60.5	54.2	.360	84.	E.	.5	..	.3	(1) Cu.; (2) Ci., *W.*
	19	21.2	762.60	29.919	46.	53.5	49.7	.327	94.	E.	.5	..	1.0	Ci., Ci-cu., Cu., *W.*
	20	20.5	762.75	29.927	45.5	50.8	48.4	.327	97.	E.	1.2	..	1.0	Cu-s., Cu.
	21	19.8	762.75	29.932	45.5	50.	48.	.327	98.	E.	.4	..	.7	Cu-s., Cu.
	22	18.7	762.35	29.921	46.	48.5	46.9	.318	99.	E.	.3	..	1.0	N.
	23	17.9	762.05	29.912	45.	48.7	47.2	.322	99.	ENE.	.5	..	1.0	N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
1	0	15.9	749.45	29.428	57.	57.5	57.	.468	56.7	99.5	S.	3.7	.13	1.0	N., raining.
	1	16.5	749.60	29.431	55.	57.8	57.2	.469	56.7	99.	S.	1.5	..	1.0	N.
	2	16.5	750.00	29.447	54.2	58.	56.8	.457	56.	97.	WSW.	..	..	.7	Cu.
	3	16.8	751.15	29.491	....	56.5	51.3	.333	46.7	87.5	WNW.	2.0	..	.4	Cu.
	4	16.1	752.45	29.545	....	53.	47.5	.282	41.9	83.	WNW.	4.0	..	.1	Cu-s.
	5	15.6	753.60	29.593	42.	51.5	47.3	.294	43.1	81.4	WNW.	2.0	..	.1	Ci.
	6	15.	754.80	29.644	44.5	51.5	47.2	.292	42.9	84.5	WNW.	..	..	..	Clear.
	7	15.4	754.75	29.641	44.	53.1	47.6	.283	42.	80.	W.	..	..	..	Clear.
	8	15.4	756.50	29.707	44.2	54.2	47.8	.274	41.	76.4	WNW.	..	..	..	Clear.
	9	15.8	756.90	29.720	42.6	55.6	47.9	.261	39.6	73.	WNW.	1.5	..	..	Cu.
	10	15.9	757.25	29.734	42.2	57.4	47.6	.234	36.5	71.5	WNW.	2.5	..	.1	Cu.
	11	16.2	757.80	29.755	42.7	57.5	49.6	.279	41.5	73.	WNW.	1.7	..	.5	Cu.
	12	16.4	758.20	29.769	45.	57.4	50.4	.301	43.7	72.	WNW.	.7	..	.7	Cu., *W.*
	13	16.6	758.55	29.781	47.5	57.5	49.9	.287	42.4	73.5	WNW.	.5	..	.8	Cu., *W.* by *N.*
	14	16.8	759.00	29.797	42.8	58.1	49.5	.271	40.7	69.	WNW.	.9	..	.4	Cu., *W.*
	15	17.	759.50	29.817	39.5	58.1	49.	.259	39.4	68.	WNW.	1.3	..	.3	Cu., *W.*
	16	17.1	760.40	29.852	40.5	56.8	48.	.250	38.4	67.	WNW.	1.2	..	.2	Cu., *W.*
	17	17.2	761.20	29.882	34.	56.	46.6	.227	35.7	67.	WNW.	2.0	..	.2	Cu., *W.*
	18	17.4	762.10	29.916	35.	53.3	45.5	.233	36.4	70.	WNW.	.4	..	.8	Cu., *W.*
	19	16.6	762.85	29.950	36.	49.7	43.7	.234	36.5	74.	NW.	.5	..	.1	Cu., *W.*
	20	17.	763.55	29.976	36.5	48.	42.5	.226	35.5	76.	NW.	..	..	..	Clear.
	21	19.	764.20	29.992	34.5	47.	41.3	.213	33.9	77.	NNW.	.5	..	..	Clear.
	22	21.3	764.85	30.007	33.	46.5	40.6	.203	32.5	77.	NNW.	1.0	..	..	Clear.
	23	22.7	765.75	30.035	33.	45.5	40.2	.206	32.9	77.	NNW.	1.2	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
2	0	23.5	766.25	30.051	32.	44.8	40.7	.224	35.3	78.	NW.	..	..	..	Clear.
	1	23.8	766.70	30.067	30.	43.6	38.2	.186	30.	78.	NW.	..	..	..	Clear.
	2	23.9	767.30	30.090	30.	42.5	37.5	.185	29.9	78.	NNW.	..	..	..	Clear.
	3	22.9	767.70	30.112	28.	41.5	36.5	.177	28.7	78.	NNW.	..	..	..	Clear.
	4	21.7	767.85	30.123	26.	40.6	36.	.178	28.8	78.5	NNW.	..	..	..	Clear.
	5	20.2	768.25	30.146	28.8	38.5	35.3	.188	30.4	84.8	NNW.	..	..	..	Clear.
	6	18.9	768.50	30.161	32.	40.7	37.3	.201	32.3	85.4	NW.	..	..	..	Clear.
	7	19.1	768.50	30.160	34.	45.	40.8	.224	35.3	78.6	NW.	..	..	.7	Ci., Ci-cu.
	8	18.9	768.35	30.156	....	46.	40.8	.213	33.9	76.3	N.	..	..	.8	Ci-cu.
	9	18.8	769.10	30.184	34.5	47.2	41.8	.219	34.7	76.4	N.	..	..	.4	Ci-cu.
	10	19.8	769.25	30.186	36.6	48.6	43.4	.239	37.1	75.2	NNW.	..	..	.3	Ci., Ci-cu.
	11	22.2	769.75	30.193	37.	50.8	44.3	.233	36.4	75.2	NNW.	..	..	.2	Ci.
	12	19.8	769.15	30.182	38.5	53.	45.5	.235	36.6	75.	NNW.	..	..	.9	Ci-s.
	13	23.	769.00	30.160	40.8	55.	48.2	.274	41.	74.	NNW.	..	..	1.0	Ci., S.
	14	23.4	769.40	30.174	41.	56.9	49.1	.273	40.9	72.	ESE.	..	..	.9	Ci., S., Ci-cu.
	15	24.	769.00	30.154	41.6	58.6	51.5	.312	44.8	76.	SW.	..	..	.5	Ci., Ci-s.
	16	25.1	769.00	30.150	38.5	60.	53.	.334	46.8	74.	SSW.	..	..	.8	Ci., Cu.
	17	25.5	769.10	30.151	43.	57.7	51.2	.314	45.	76.5	S.	..	..	1.0	Cu., Cu-s.
	18	25.	769.00	30.150	42.5	56.	50.5	.316	45.1	78.5	SSE.	..	..	1.0	Cu., Cu-s., *SW.*
	19	25.	769.30	30.162	41.5	54.3	49.5	.311	44.7	81.	SSE.	..	..	1.0	Cu.
	20	25.2	769.85	30.183	46.	53.7	49.5	.319	45.3	85.	SSE.	..	..	1.0	Cu.
	21	25.	770.15	30.195	47.9	52.5	49.	.321	45.5	85.	SSE.	..	..	1.0	Cu.
	22	24.6	770.00	30.191	46.	51.2	47.5	.301	43.6	90.	SSE.	..	..	1.0	Cu.
	23	24.	770.20	30.201	46.	50.4	47.5	.310	44.5	91.	SSE.	..	..	1.0	Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
3	0	23.4	770.05	30.199	....	49.9	47.5	.315	45.1	93.2	SSE.	..	..	1.0	Cu.
	1	22.6	769.75	30.192	44.	48.	45.6	.294	43.1	96.	ESE.	..	..	.8	Cu., Cu-s.
	2	21.7	769.20	30.174	42.8	47.	45.2	.297	43.3	97.	E.	..	..	.8	Cu., Cu-s.
	3	21.3	769.25	30.178	44.	46.4	44.6	.290	42.7	97.5	E.	..	..	.2	Cu. near Hor.
	4	21.2	770.00	30.208	44 8	45.8	44.5	.294	43.1	99.	E.	..	..	.8	Cu-s.
	5	20.5	770.50	30.231	44.2	46.4	44.7	.292	42.8	97.9	E.	..	..	1.0	Cu.
	6	19.8	770.80	30.247	....	46.4	44.5	.287	42.4	97.6	E.	..	..	1.0	Cu.
	7	19.2	771.35	30.272	42.	47.	44.7	.285	42.2	96.1	E.	..	..	1.0	Cu.
	8	19.2	772.00	30.297	43.5	49.	45.6	.282	41.8	94.8	E.	..	..	1.0	N., raining.
	9	20.2	772.50	30.311	44.3	50.1	47.6	.316	45.1	94.5	E.	..	..	1.0	Cu. ?
	10	21.3	772.55	30.308	46.2	52.5	49.4	.331	46.5	92.	SE.	..	..	1.0	Cu., S.
	11	22.	772.55	30.305	41.8	50.6	47.	.296	43.2	90.	S.	..	..	1.0	Cu., S.
	12	22.9	772.20	30.287	39.	51.5	47.1	.288	42.5	86.	S.	..	..	1.0	N., raining, Cu.
	13	23.4	772.00	30.276	39.	51.5	47.	.286	42.2	86.	SSE.	..	..	1.0	N., Cu-s., S., Cu.
	14	23.	771.15	30.245	40.7	51.2	46.6	.280	41.6	87.	E.	..	..	1.0	Cu-s.
	15	24.2	771.00	30.233	40.2	52.6	48.	.297	43.3	86.	NNE.	..	..	1.0	Cu-s.
	16	24.5	771.20	30.241	40.7	54.5	49.4	.308	44.4	87.	NNE.	..	..	1.0	Cu-s., Cu.
	17	23.8	771.15	30.240	40.	53.1	48.7	.307	44.2	87.2	NE.	..	..	.9	Ci-cu., Cu.
	18	23.2	771.00	30.237	42.8	53.4	48.9	.309	44.5	86.	ENE.	..	..	.6	Ci, Cu., Cu-s., SW.
	19	22.3	771.00	30.241	42.6	51.	46.5	.280	41.6	86.9	ENE.	..	..	.2	Ci , Cu-s.
	20	21.8	770.90	30.241	41.7	49.	45.5	.280	41.6	90.5	ENE.	..	..	..	Clear.
	21	22.	770.95	30.243	42.	46.5	44.	.276	41.2	92.	ENE.	..	..	..	Clear.
	22	22.1	771.00	30.244	40.	46.5	43.6	.267	40.3	92.5	ENE.	..	..	..	Clear.
	23	22.9	771.15	30.246	38.2	44.4	42.5	.266	40.2	95.	ENE.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
4	0	21.8	771.25	30.256	40.	43.5	42.2	.270	40.6	100.	ENE.	..	..	..	Clear.
	1	21.9	771.25	30.255	39.2	41.	40.2	.257	39.2	100.	ENE.	..	..	..	Clear.
	2	21.2	770.90	30.244	38.	40.5	39.6	.251	38.5	100.	ENE.	..	..	..	Clear.
	3	19.7	770.70	30.243	32.5	39.7	37.9	.226	35.5	99.	ENE.	..	..	..	Clear.
	4	18.5	770.45	30.238	32.2	38.9	38.2	.240	37.2	100.	ENE.	..	..	..	Clear.
	5	17.9	770.20	30.232	31.8	39.3	38.6	.244	37.7	100.	ENE.	..	..	..	Clear.
	6	17.6	770.75	30.256	....	42.1	41.1	.264	40.	98.8	ENE.	..	..	..	Clear.
	7	17.8	771.25	30.274	41.6	45.9	44.2	.287	42.3	96.4	NE.	..	..	..	Clear.
	8	18.4	771.50	30.281	42.2	49.2	45.7	.282	41.9	90.4	NNE.	..	..	..	Clear.
	9	19.3	771.75	30.287	44.	52.	47.8	.298	43.4	85.	NE.	..	..	..	Clear.
	10	21.2	771.90	30.284	45.	53.1	47.5	.279	41.5	82.	....	..	..	..	Clear.
	11	23.3	771.75	30.267	47.5	55.1	48.6	.282	41.9	79.	N.	..	..	..	Clear.
	12	20.7	770.70	30.239	46.	57.5	51.2	.317	45.2	78.	NE.	..	..	.2	Ci.
	13	23.1	770.65	30.225	42.2	58.6	50.8	.295	43.2	73.	ESE.	..	..	.2	Ci.
	14	23.8	770.15	30.200	40.8	61.6	52.7	.308	44.4	70.	ESE.	..	..	.3	Ci., Cu.
	15	23.1	769.50	30.180	40.	63.2	54.2	.330	46.4	71.5	S.	..	..	.1	Ci., Ci-cu.
	16	23.9	769.75	30.185	39.8	64.7	54.	.306	44.2	68.	SW.	..	..	.2	Ci-cu.
	17	24.4	769.70	30.181	41.	63.5	55.5	.359	48.8	71.5	WSW.	..	..	.9	Ci., Ci-cu.
	18	24.	769.60	30.178	44.	62.	55.4	.373	50.	74.	WSW.	..	..	.5	Ci., Ci-cu., Cu-s.
	19	23.2	769.60	30.182	46.4	59.	53.5	.358	48.8	77.5	SW.	..	..	.4	Ci., Cu-s.
	20	23.4	769.60	30.182	48.1	55.	51.5	.353	48.4	92.1	SW.	..	..	..	A few Ci s. at Hor.
	21	22.7	769.75	30.191	46.	52.8	49.	.318	45.3	90.5	SW.	..	..	..	A few Ci-s. at Hor.
	22	21.8	769.75	30.196	44.	50.	46.5	.291	42.8	91.8	NE.	..	..	..	A few Ci-s. at Hor.
	23	21.2	769.60	30.193	44.1	48.5	45.9	.291	42.8	93.5	NE.	.	..	.2	Ci-s., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vaper, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir, points.	Force, lbs.			
5	0	20.6	769.45	30.190	44.5	48.5	46.	.298	43.4	96.2	NE.	..	..	.7	Cu.
	1	20.	768.80	30.167	38.2	46.9	44.6	.284	42.1	98.	NE.	..	..	.2	Cu.
	2	20.1	768.90	30.171	38.	45.5	44.3	.291	42.8	100.	NE.	..	..	.7	Cu.
	3	20.6	769.00	30.172	39.	47.2	46.	.310	44.6	100.	NE.	..	..	1.0	Cu.
	4	20.3	769.20	30.181	40.8	47.2	46.2	.317	45.2	100.	E.	..	..	.9	Cu., Ci-cu.
	5	19.8	769.25	30.186	42.	46.2	45.3	.308	44.4	100.	E.	..	..	.9	(1) Cu-s., *NW.*; (2) Ci-cu., *NW.*
	6	19.6	769.70	30.204	44.2	48.2	47.3	.330	46.4	99.2	E.	..	..	.9	Cu., *NW.*
	7	19.	770.25	30.229	45.4	51.7	49.3	.338	47.1	94.	E.	..	..	.9	Cu., Cu-s., *NW.* by *W.*
	8	19.2	770.70	30.246	47.8	55.4	52.2	.366	49.4	93.4	ESE.	..	..	1.0	Ci-cu.
	9	19.5	770.75	30.246	40.	56.	50.5	.317	45.2	86.5	ESE.	..	..	1.0	Ci cu, Cu.
	10	19.2	771.10	30.262	41.5	55.6	50.1	.312	44.8	86.	ESE.	.4	..	1.0	Cu.
	11	19.3	771.20	30.265	43.5	57.	51.	.318	45.3	85.	ESE.	.6	..	1.0	Ci-cu., Cu.
	12	20.2	771.20	30.260	46.8	58.4	51.6	.317	45.2	84.5	SSE.	.6	..	.7	Ci-cu., Cu.
	13	21.1	770.75	30.238	46.	58.5	52.2	.330	46.4	81.5	SSE.	.6	..	.4	Ci-cu., Cu.
	14	21.2	770.60	30.232	46.	60.5	53.9	.351	48.2	82.	SSE.	.5	..	.4	Cu.
	15	23.5	770.50	30.218	48.	61.7	55.7	.385	50.9	81.2	SSE.	.3	..	.4	Cu.
	16	24.	770.55	30.217	46.	61.	53.5	.336	46.9	80.	SSE.	.4	..	.7	Ci-s., Cu.
	17	24.	770.70	30.223	46.	58.2	52.5	.342	47.4	83.5	SSE.	.4	..	.7	Ci-s., Ci., Cu.
	18	23.8	770.80	30.228	44.4	55.	49.8	.312	44.8	86.	SE.	..	..	.8	Ci-s., Ci., Cu.
	19	23.	770.80	30.231	42.8	51.5	47.5	.297	43.3	89.	SE.	.1	..	1.0	Ci-s., Ci., Cu-s.
	20	22.	771.00	30.244	43.8	48.4	45.5	.287	42.3	95.	SE.	..	..	1.0	Cu., Ci-cu.
	21	21.	771.20	30.256	43.	47.	45.	.291	42.8	97.	SE.	..	..	1.0	Cu., Ci-cu.
	22	20.4	771.50	30.270	42.3	46.5	44.	.276	41.2	97.	SE.	..	..	1.0	Cu., Ci-cu.
	23	19.8	771.00	30.255	41.8	46.	44.5	.292	42.9	99.	SE.	..	..	1.0	Cu-s., Ci-cu.

DAILY METEOROLOGICAL OBSERVATIONS.

Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Thermometers, Fah. Dew point.	Dry.	Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Force, lbs.	Rain, inches.	Sky covered, 16ths.	Clouds, and direction of their strata
6	0	19.8	771.20	30.263	41.8	45.8	44.8	.301	43.7	99.	SSE.	.		1.0	Cu., Ci-cu., Cu-s
	1	18.8	770.40	30.235	42.	45.	43.7	.286	42.2	99.	S.			1.0	Cu., Cu-s
	2	18.4	770.00	30.221	40.	45.	43.9	.291	42.7	100.	SSE.	.		1.0	Cu., Cu-s
	3	18.2	770.00	30.222	42.4	44.	43.2	.286	42.2	100.	SSE.	.		1.0	Cu., Cu-s
	4	18.5	770.10	30.234	43.	44.6	43.2	.279	41.5	100.	SSE.	.	..	1.0	Cu., Ci
	5	19.2	770.60	30.242	....	43.9	42.9	.281	41.7	100.	SSE.	..		1.0	Ci-cu., Cu
	6	19.4	770.90	30.252	43.8	45.4	44.	.287	42.3	100.	SSE.	.		1.0	Ci-cu., Cu-s, lowly
	7	19.3	771.15	30.262	44.2	46.2	45.4	.310	44.6	99.8	SSE.	.	.	1.0	Cu., Cu-s, lowly
	8	19.8	770.00	30.215	....	46.5	45.5	.309	44.5	99.7	SE.	..	.	1.0	N., Cu-s, lowly
	9	19.9	771.00	30.253	47.	49.	48.	.338	47.1	99.	SE.	..	..	1.0	Cu-s
	10	20.	771.05	30.255	47.5	49.1	48.	.337	47.	98.	SE.	..	..	1.0	Cu-s
	11	20.3	770.35	30.226	49.	53.	50.5	.363	49.2	95.	SE.	..	..	.9	Cu.
	12	21.	769.80	30.202	50.7	56.8	53.	.371	49.8	91.	ESE.	..	..	.1	Cu., Cu-s
	13	21.6	769.15	30.172	50.3	61.4	56.	.398	51.9	86.	ESE.	..	..	.1	Cu., Cu-s
	14	22.	768.70	30.154	52.	64.9	58.6	.428	54.	84.	SE.	..	..	.8	Cu., Cu-s
	15	22.6	768.30	30.137	49.	63.5	57.	.400	52.	83.	S.	1.0	..	.9	Ci-cu., Cu-s
	16	21.	768.15	30.138	48.7	61.9	55.8	.387	51.	83.	S.	.8	..	.9	Cu., Cu-s
	17	20.9	767.65	30.119	46.	61.2	55.7	.391	51.4	85.5	S.	.3	..	.9	Cu., Cu-s
	18	20.6	767.25	30.104	50.3	58.5	54.5	.389	51.2	88.	S.	.3	..	1.0	Cu., Ci-cu., Cu-s
	19	20.4	767.20	30.104	47.	56.2	53.1	.380	50.5	91.3	S.	..	..	1.0	Cu., Cu-s
	20	20.	767.25	30.107	50.5	54.6	53.8	.416	53.2	97.	S.	..	..	1.0	Cu., Ci-cu
	21	19.9	766.25	30.068	49.5	54.8	53.3	.401	52.1	99.	SSW.	..	..	1.0	Cu.
	22	19.6	766.65	30.086	49.	54.5	53.2	.401	52.1	100.	SSW.	..	.	1.0	Ci-cu
	23	19.6	766.45	30.078	49.5	55.	53.8	.411	52.8	100.	SSW.	..	..	1.0	Cu., Cu

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
8	0	24.2	759.55	29.784	62.	63.5	61.2	.518	59.7	97.4	NNE.	.3	..	.9	Cu., Cu-s.; aurora visible to north.
	1	23.7	759.50	29.785	62.	62.8	61.3	.530	60.4	98.	NE.	.1	..	.9	Cu., Cu-s.
	2	23.2	759.30	29.778	61.	62.6	61.2	.529	60.3	98.	NE.	..	..	1.0	Cu-s.
	3	23.2	759.40	29.782	60.	62.	61.	.530	60.4	98.	NE.	..	..	1.0	Cu-s.
	4	22.6	759.00	29.770	59.	61.	60.5	.527	60.2	98.	NE.	..	..	1.0	Cu.
	5	21.9	759.10	29.777	58.6	61.6	60.8	.528	60.3	98.5	NE.	..	..	1.0	Cu.
	6	21.7	759.35	29.788	59.	62.1	61.4	.540	60.9	98.4	NE.	..	..	1.0	Cu.
	7	21.5	759.25	29.786	....	62.8	61.7	.542	61.1	97.7	NE.	..	..	1.0	Cu.
	8	21.6	759.25	29.784	....	64.9	63.2	.563	62.2	97.3	ENE.	..	..	1.0	Cu.
	9	21.9	759.15	29.779	....	67.1	64.9	.591	63.7	97.	ESE.	..	..	1.0	Cu.
	10	22.	759.50	29.793	60.	68.2	61.5	.476	57.2	84.	E.	..	..	1.0	Cu.
	11	22.	759.35	29.787	51.5	66.7	59.2	.425	53.8	79.8	ESE.	..	..	1.0	Cu., N.
	12	21.9	759.55	29.795	56.	67.	59.9	.441	54.9	82.	E.	..	..	1.0	Cu., S.
	13	22.	759.30	29.785	53.	66.7	59.	.420	53.5	78.	ESE.	..	..	1.0	
	14	22.	758.85	29.768	53.	67.	58.9	.411	52.8	77.	E.	..	..	1.0	(1) Ci., Ci-cu., *W.*; (2) Cu., Cu-s.
	15	22.8	758.80	29.764	51.	68.5	59.5	.414	53.	70.	ESE.	1.0	..	.4	(1) Ci., Cu., *W.*; (2) S.
	16	22.3	759.00	29.771	45.	68.4	55.3	.334	54.4	67.5	W.	.8	..	..	Ci-cu., S., *W.*
	17	22.6	759.50	29.790	46.	68.3	57.8	.368	49.6	67.	W.	.5	..	.5	Ci-cu., Cu-s.
	*18	22.	759.60	29.797	49.	64.2	55.5	.353	48.4	71.8	W.	..	..	.6	Cu., Cu-s.
	19	22.5	759.95	29.808	48.5	62.6	56.5	.370	49.7	74.5	W.	..	..	1.0	Cu., Cu s., *W.*
	20	20.7	760.30	29.831	42.	60.7	53.6	.342	47.4	76.3	W.	..	..	1.0	Cu., Cu-s.
	21	20.3	760.80	29.853	46.	59.3	53.	.343	47.5	78.5	W.	..	..	.2	Cu., Ci cu.
	22	20.2	761.35	29.872	46.	58.1	52.	.332	46.6	80.	SE.	..	..	..	Ci-cu.
	23	19.9	761.75	29.889	43.	56.6	48.8	.272	40.8	79.	SSE.	..	..	.07	Cu., Ci-cu.

* Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
9	0	19.8	762.75	29.932	42.	54.7	48.8	.292	42.9	79.8	SSE.	..	..	.1	Ci-cu., Cu.
	1	19.5	761.75	29.894	42.	54.1	49.	.304	44.	80.3	N.	..	..	.8	Ci., Ci-cu.
	2	19.	762.00	29.905	43.	53.1	48.5	.304	44.	82.	N.	..	..	.9	Cu-s., S.
	3	18.7	762.00	29.923	43.8	50.5	47.	.297	43.3	86.	N.	..	..	.3	S.
	4	18.1	762.75	29.940	44.	50.	46.5	.292	42.9	86.	N.	..	..	.7	Cu., Cu-s.
	5	17.6	763.00	29.951	....	49.8	45.9	.280	41.6	85.5	N.	..	..	.4	Ci., Ci-cu.
	6	17.6	763.30	29.963	....	51 5	47.7	.302	43.8	87.1	N.	..	..	.4	Ci-cu.
	7	17.5	763.70	29.979	44.5	55.2	49.	.292	42.8	83.2	N.	..	..	1.0	Cu., *W.*
	8	17.7	764.10	29.994	44.2	56.4	50.	.301	43.7	81.7	N.	..	..	.8	Cu., *W.*
	9	17.9	764.50	30.009	42.4	57.4	49.8	.286	42.2	78.6	N.	..	..	.9	Ci cu.
	10	18.3	764.55	30.009	....	58.7	50.	.276	41.2	77.3	N.	..	..	1.0	Ci-cu , *W.*
	11	18.5	764.50	30.006	50.4	61.	52.5	.312	44.8	75.	NNW.	..	..	.8	Ci-cu.
	12	18.8	764.30	29.996	53.5	62.	52.5	.301	43.7	71.8	NW.	..	..	1.0	Cu.
	13	19.5	763.80	29.974	50.3	....	....	....	....	....	NNW.	..	..	1.0	Cu.
	14	19.7	763.70	29.969	....	63.2	52.7	.291	42.8	70.	NNW.	..	..	1.0	Cu., S.
	15	19.8	764.05	29.983	46.2	61.2	53.5	.335	46.8	77.2	WNW.	..	..	1.0	Cu., S.
	16	19.6	763.80	29.973	49.8	60.5	54.7	.373	50.	82.	SW.	..	..	1.0	Cu., S.
	17	19.5	764.10	29.986	43.	58.4	53.2	.358	48.8	87.	SW.	..	..	1.0	Cu., S., *NNW.*
	18	19.4	764.10	29.986	45.9	57.8	53.6	.378	50.4	89.6	SW.	..	..	1.0	Cu., S., *NNW.*
	19	19.1	764.50	30.003	47.2	56.5	53.	.375	50.1	92.5	SW.	..	..	1.0	Cu., S., *NNW.*
	20	19.	765.15	30.029	50.5	56.	53.5	.393	51.5	94.5	SW.	..	..	1.0	Cu., S.
	21	19.5	765.70	30.049	44.	55.6	53.2	.389	51.2	95.	SW.	..	..	1.0	Cu., S.
	22	21.	766.05	30.055	50.5	55.2	53.4	.399	51.9	98.	SW.	..	..	1.0	S., Cu., Cu-s.
	23	23.	765 95	30.042	52.	55.	53.3	.399	51.9	98.5	SW.	..	..	1.0	Cu., Cu s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
10	0	25.1	766.30	30.016	49.8	54.	51.9	.375	50.1	97.	SW.	..	..	1.0	Cu., Cu-s.
	1	24.7	766.35	30.050	49.	53.5	52.	.383	50.7	98.	SW.	..	..	1.0	Cu., Ci-s., N.
	2	25.3	767.40	30.088	50.	53.5	52.	.383	50.7	98.5	SW.	..	..	1.0	N., drizzling.
	3	25.8	767.50	30.089	50.8	53.3	51.8	.380	50.5	100.	SE.	..	..	1.0	N., drizzling.
	4	25.8	767.50	30.089	50.	51.7	50.	.354	48.4	98.	ESE.	.2	..	1.0	Cu., Cu-s.
	5	25.7	768.25	30.120	44.8	50.7	47.9	.315	45.1	95.	ESE.	.5	..	1.0	Ci., Cu-s., *NE.*
	6	25.4	768.80	30.112	43.4	49.7	46.8	.301	43.7	94.2	E.	.9	..	1.0	Cu., *NE.*
	7	24.4	769.00	30.153	42.8	49.4	45.3	.272	40.8	90.2	E.	1.0	..	1.0	Cu., S., *NE.*
	8	24.4	769.40	30.169	43.8	51.5	46.3	.270	40.6	88.3	E.	.5	..	1.0	Cu., *NE.*
	9	24.3	769.20	30.161	....	53.3	47.8	.283	42.	84.	E.	.6	..	1.0	Cu., Ci-cu., *SW.* by *W.*
	10	24.2	769.60	30.178	42.3	53.5	47.5	.275	41.1	83.	E.	.7	..	1.0	S., Cu.
	11	23.8	769.15	30.161	42.5	54.5	48.3	.281	41.7	82.5	E.	.7	..	1.0	S., Cu.
	12	22.7	769.35	30.175	42.	52.7	46.9	.270	40.6	82.5	E.	1.0	..	1.0	S., N., raining.
	13	22.6	769.10	30.166	42.	50.6	46.5	.284	42.1	90.	E.	1.5	..	1.0	N., raining.
	14	22.1	768.60	30.150	44.	49.5	46.9	.306	44.2	92.3	E.	.8	.02	1.0	N., raining.
	15	21.2	768.20	30.140	44.	48.2	46.	.301	43.7	96.5	E.	.7	.05	1.0	N., raining.
	16	20.5	768.25	30.144	43.	47.	45.3	.299	43.5	96.	E.	2.0	.08	1.0	N., raining.
	*17	20.7	768.00	30.134	42.5	46.5	45.	.297	43.3	97.	E.	.8	.07	1.0	N., raining.
	18	21.	768.25	30.142	42.	46.	44.	.281	41.7	97.	E.	2.5	.03	1.0	N., raining.
	19	21.6	767.65	30.115	41.	45.6	43.8	.282	42.9	98.	E.	1.0	.05	1.0	N., raining.
	20	21.8	768.65	30.155	42.	45.3	43.7	.283	42.	98.	E.	.8	.05	1.0	N., raining.
	21	22.	767.50	30.108	42.	45.4	43.5	.278	41.4	97.	E.	.7	.03	1.0	N., raining.
	22	21.8	767.05	30.091	40.	45.	43.5	.282	41.8	98.	E.	1.0	.04	1.0	N., raining.
	23	21.2	766.50	30.073	42.	45.2	43.6	.282	41.8	96.3	E.	.3	.02	1.0	N., raining.

* Twenty minutes late.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
11	0	21.2	766.20	30.061	41.	45.3	43.7	.283	42.	97.5	E.	.3	.02	1.0	N., raining.
	1	21.2	765.40	30.029	42.	45.7	44.	.285	42.1	96.	ENE.	.1	..	1.0	N., drizzling.
	2	20.3	764.80	30.010	42.	45.6	43.6	.278	41.4	93.6	ENE.	.1	..	1.0	Cu-s., Cu.
	3	20.2	764.30	29.990	40.4	46.6	44.	.275	41.1	94.	ENE.	.1	..	1.0	Cu-s.
	4	20.1	763.70	29.967	40.	47.	44.5	.281	41.7	92.5	ENE.	.1	..	1.0	Cu-s.
	5	20.	764.00	29.979	40.2	46.6	44.	.275	41.1	90.3	ENE.	.2	..	1.0	Cu-s.
	6	19.6	764 05	29.983	40.5	47.3	44.3	.273	40.9	90.3	ENE.	.2	..	1.0	Cu.
	7	19.4	763.75	29.972	41.5	49.	45.5	.281	41.7	90.6	ENE.	.2	..	1.0	Cu.
	8	19.	763.60	29.968	41.8	50.	46.	.281	41.7	89.5	ENE.	.3	..	1.0	Cu.
	9	18.9	763.40	29.960	44.	52.9	48.	.294	43.1	81.5	ENE.	.5	..	1.0	Cu., S.
	10	18.9	763.40	29.960	46.2	54.2	48.5	.291	42.8	84.	ENE.	2.0	..	1.0	Cu., S.
	11	19.2	763.35	29.957	45.3	55.5	49.6	.302	43.8	84.	ENE.	1.5	..	1.0	Cu., S.
	12	19.3	763.00	29.943	46.8	55.8	50.5	.321	45.6	85.8	ENE.	1.0	..	1.0	Cu., S.
	13	19.2	762.80	29.936	47.6	55.7	51.5	.346	47.8	89.	ENE.	.8	..	1.0	Cu., S.
	14	19.2	762.85	29.938	48.2	54 5	50.2	.328	46.2	89.	ENE.	.5	..	1.0	Cu., S.
	15	19.2	762.25	29.914	52.7	56.5	52.	.350	48.1	90.	ENE.	.5	..	1.0	Cu.
	16	19.4	762.40	29.919	46.	58.	53.2	.362	49.1	88.	ENE.	.5	..	1.0	Cu.
	17	19.6	762.25	29.912	49.	58.8	53.5	.362	49.1	87.	NE.	.3	..	.9	Cu., Ci cu.
	18	19.8	762.15	29.908	48.	59.	53.5	.359	48.8	85.	NE.	..	..	.5	Cu., Ci-cu.
	19	19.8	762.30	29.914	44.	56.8	52.6	.372	49.9	89.	ENE.	..	..	.2	Cu.
	20	20.4	762.45	29.917	48.9	55.8	52.5	.369	49.7	90.9	NNE.	..	..	..	Cu. at Hor.
	21	20.7	763.20	29.914	49.	55.	52.	.366	49.4	92.2	NNW.	..	..	..	Cu. at Hor.
	22	21.2	763.25	29.944	48.	54.7	52.	.369	49.7	93.5	NNW.	..	..	..	Cu. at Hor.
	23	21.1	762.55	29.917	48.4	52.4	50.5	.358	48.8	97.2	NNW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
12	0	21.4	762.20	29.902	47.7	50.8	49.5	.352	48.3	100.	NNW.	..	..	..	Clear.
	1	20.9	761.80	29.889	48.	50.5	49.	.344	47.6	100.	NNW.	..	..	..	Clear.
	2	20.	761.60	29.885	46.8	49.5	48.	.332	46.6	99.5	NNW.	..	..	..	Clear.
	3	21.1	761.65	29.882	44.8	48.5	46.5	.309	44.5	97.	NNW.	..	..	..	Clear.
	4	21.4	761.80	29.887	42.	46.8	45.3	.301	43.6	96.	NNW.	..	..	..	Clear.
	5	21.9	762.45	29.909	41.4	47.7	44.8	.280	41.6	92.4	NNW.	..	..	..	Clear.
	6	21.8	762.55	29.913	43.8	51.4	47.2	.292	42.9	87.4	NNW.	..	..	..	Clear.
	7	21.8	762.85	29.925	44.8	54.4	49.1	.303	43.9	84.3	NNW.	..	..	..	Clear.
	8	23.3	763.15	29.929	44.5	57.8	50.7	.302	43.8	79.2	NNW.	..	..	..	Clear.
	9	23.9	763.15	29.931	44.5	60.5	52.4	.314	45.	77.2	N.	..	..	..	Clear.
	10	24.5	763.25	29.928	45.2	64.9	54.4	.316	45.1	72.	N.	..	..	..	Clear.
	11	25.3	763.20	29.922	47.8	68.	56.8	.345	47.7	70.	NNE.	..	..	..	Clear.
	*12	26.2	763.00	29.910	....	72.2	58.	.330	46.4	64.	NNE.	..	..	.3	Ci.
	13	26.8	762.80	29.900	42.2	72.8	57.8	.318	45.3	63.	NE.	..	..	..	Ci.
	14	27.8	762.70	29.891	42.	73.4	59.2	.350	48.1	65.	ENE.	..	..	..	Ci.
	15	28.5	762.65	29.885	41.8	75.	64.2?	.481?	57.5?	69.	ESE.	..	..	..	Ci.
	16	29.	762.25	29.867	45.8	75.4	63.2	.445	55.2	64.	ESE.	..	..	..	Ci.
	17	29.7	762.10	29.858	43.6	76.	62.5	.417	53.4	59.	ESE.	..	..	..	Ci.
	18	26.	761.70	29.860	45.8	73.4	64.	.492	58.2	66.8	SE.	..	..	..	Ci.
	19	24.4	761.55	29.862	43.5	69.5	58.2	.366	49.4	67.	SSW.	..	..	..	Slight haze, Cu.
	20	21.	761.35	29.870	49.8	65.5	58.	.405	52.4	77.	SSW.	..	..	..	Slight haze, Cu.
	21	21.2	762.00	29.895	48.	58.8	54.4	.385	50.9	84.9	SW.	..	..	..	Slight haze, Cu.
	22	24.5	762.30	29.891	46.5	57.5	53.7	.380	50.5	88.2	SW.	..	..	..	Clear.
	23	24.5	762.00	29.879	48.	56.	52.5	.368	49.6	90.	SW.	..	..	.1	Ci.

* Thirty minutes late.

DAILY METEOROLOGICAL OBSERVATIONS

Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr'd height, inches.	Thermometers, Fah. Dew point.	Dry.	Wet.	Force of vapour, inches.	Saturation, degrees.	Hygrometer.	Wind. Direction.	Force.	Barometer.	Rain, inches.	Clouds.
13	0	24.1	760.90	29.888	49.6	64.5	53	.374	49 0	93					
	1	23.5	761.80	29.876	48.6	55	50 0		48 4	93					
	2	23.	761.50	29.867	47.8	53.	50.		48 2	95					
	3	22.7	761.35	29.862	48.4	51 5	50.		48 0	97					
	4	21.9	761.40	29.863	46.	50 5	49 0		46 6	95					
	5	20.8	761.60	29.877	48.6	51 4	50.		48 7	97					
	6	20.9	761.70	29.885	50.8	56 3	53.4		51 0	97					
	7	20.7	761.90	29.890	†54.	58 2	55.6		53 6	96					
	8	20.9	761.85	29.881	57.8	63 6	59.7		57 1	91					
	9	21.5	761.70	29.882	58.	68.4	63 3		60 2	88					
	10	22.	761.50	29.879	60.8	72	66 8		64.	83					
	11	23.7	761.40	29.864	58.8	78 6	64.5		60	70					
	*12	23.8	761.00	29.843	57.	73.6	63.		56.2	73.2					
	13	23.7	760.90	29.841	53.8	74.6	62.8		56.2	73.					
	14	24.2	760.85	29.816	52.2	76.	64.6		57.4	71					
	15	24.3	760.85	29.811		73.8	62.6	.444	56.1	72					
	16	24.6	760.40	29.816	54.	76.1	64.3	.484	57.7	72.6					
	17	24.8	760.25	29.810	56.2	74.6	63.8	.474	57.	73	SW.				
	18	25.	760.60	29.832	50.	73.6	62.8	.465	60.6	74.2	SW.				
	19	24.4	760.75	29.881	52.	68.8	61.2	.459	58.1	78.2	SW.				
	20	23.7	760.95	29.843	52.	65.3	60.	.464	58.4	84.	SW.				
	21	23.6	761.00	29.844	52.	63.8	58.	.485	54.6	88.	SW.				
	22	23.	760.90	29.844	50.2	63.3	57.	.408	52.8	86.	SW.				
	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....				

* Twenty minutes late.

† Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
15	0	22.8	760.35	29.823	....	63.8	61.3	.512	59.3	96.	SW.	..	..	.3	Ci., Cu-s.
	1	22.8	760.30	29.821	58.	63.	61.	.519	59.8	96.	SW.	..	..	.3	Cu-s. at Hor.
	2	22.2	760.00	29 811	58.8	62.	59.6	.489	58.	97.	SW.	..	..	.3	Cu-s. at Hor.
	3	22.6	759.45	29.788	....	61.	58.	.455	55.8	97.5	SW.	..	..	.3	Cu-s. at Hor.
	4	22.7	759.75	29.799	....	58.8	57.6	.468	56.7	98.	SW.	..	..	.2	Ci-s., Cu-s.
	5	22.1	759.70	29.801	57.4	60.5	58.8	.484	57.7	98.	SW.	..	..	.3	Ci-s.
	6	21.3	760.00	29.816	58.	62 5	59.8	.499	58.	96.3	SW.	..	..	.3	Ci., Ci cu.
	7	21.5	760.00	29.815	60.4	67.6	63.3	.537	60.8	92.9	SW.	..	..	.3	Ci., Ci-cu.
	8	22.	759.65	29.799	60.	69.4	64.4	.550	61.5	91.3	SW.	..	..	.5	Ci.
	9	22.4	759.60	29.794	60.	71.4	65.4	.559	62.	89.8	SW.	.25	..	1.0	Ci., S.
	10	23.	759.35	29.782	62.	73.1	66.6	.579	63.1	89.	SW.	.50	..	.7	Ci cu, Ci., S.
	11	23.4	759.20	29.774	66.	74.1	67 5	.597	64.	88.8	SSW.	.10	..	.8	Ci., Ci-s., S.
	12	24.	758 70	29.751	66.	76.5	69 8	.648	66.5	88.	SSW.	.25	..	1.0	Ci., Ci-s., S.
	13	24.4	758.35	29.736	66.8	78.	71.	.674	67.7	88.	SSW.	.30	..	1.0	Ci., Ci-s., S.
	14	25.	758.00	29.719	67.	78.5	70.9	.664	67.2	86.3	SSW.	.60	..	1.0	Ci., Ci-s., S.
	15	25.8	757.35	29.690	68.	79.8	72.	.689	68.4	86.8	WSW.	.50	..	.6	S., Cu-s., Ci., Ci-cu., Cu.
	16	26.5	756.80	29.666	67.	80.5	72.5	.711	69.3	86.2	SSW.	.50	..	.6	S., Cu-s., Ci., Ci-cu., Cu.
	17	27.2	756.80	29.664	66.	79.9	72.2	.696	68.7	87.	SW.	.50	..	.5	S., Ci., Ci-cu., Cu.
	18	....	.....	.....	67.	78.5	71.5	.686	68.2	88.2	SW.	.30	..	.4	Ci., Ci-cu., Cu.
	19	26.3	757.50	29.696	65.2	75.5	71.	.701	68.9	90.	SSW.	..	..	.5	Ci., Ci cu., Cu.
	20	26.5	757.55	29.698	66.	73.	68.5	.642	66.2	93.	SSW.	..	..	.4	Ci., Ci-cu., Cu.
	21	26.5	757.45	29.694	65.	72.5	68.	.631	65.7	95.	SSW.	..	..	1.0	Overcast.
	22	26.	756.75	29.707	62.2	72.5	67.7	.621	65.2	93.2	SSW.	..	..	1.0	Overcast.
	23	25.6	757.40	29.696	62.	70.3	65.2	.565	64.4	93.	SW.	..	..	1.0	Overcast.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
16	0	25.1	757.60	29.707	....	68 2	64.	.551	61.6	98.	SW.	..	..	..	Overcast.
	1	24.6	757.45	29.700	63.	66.5	63.5	.555	61.8	98.	SSW.	..	..	..	Ci-cu., Cu., Ci.
	2	24.2	757.65	29.710	62.	65.	...5	.541	61.	98.	SSW.	..	..	..	Clear.
	3	24.7	758.30	29.733	60.8	63.5	61.5	.528	60.3	100.	SSW.	..	..	..	Clear.
	4	23.9	758.75	29.754	60.	62.2	60.7	.520	59.8	100.	SSW.	..	..	..	Clear.
	5	23.4	759.30	29.779	58.5	61.1	59.8	.505	58.9	100.	SSW.	..	..	..	Clear.
	6	23.4	760.25	29.814	60.	63.7	61.5	.525	60.1	98.8	SSW.	..	..	..	Clear.
	7	23.6	760.90	29.841	54.	68.7	60.2	.432	54.3	78.5	SSW.	..	..	..	Clear.
	8	23.7	761.20	29.851	53.8	69.	58.1	.369	49.7	72.2	W.	..	..	..	Clear.
	9	22.9	761.20	29.856	49.	69.9	58.	.356	48.6	70.5	WNW.	..	..	..	Clear.
	10	23.	761.25	29.857	45.	71.	58.2	.349	48.	69.2	WNW.	..	..	..	Clear.
	11	23.6	761.15	29.850	53.5	72.5	61.5	.427	53.9	70.3	WNW.	..	..	..	Clear.
	12	24.5	761.00	29.840	55.	74.7	61.2	.393	51.5	67.8	WNW.	..	..	..	Clear.
	13	24.6	760.80	29.832	51.	75.1	60.4	.365	49.3	65.5	WNW.	.05	..	..	Clear.
	14	25.2	760.55	29.819	51.	77.	63.5	.437	54.6	67.	W.	.2	..	..	Clear.
	15	25.8	760.35	29.808	50.5	77.9	61.6	.369	49.7	64.	W.	.7	..	..	Ci.
	16	26.	760.15	29.799	53.5	79.	64.9	.460	56.2	65.	W.	.5	..	..	Ci.
	17	26.5	760.00	29.792	53.	79.7	64.5	.440	54.8	64.7	W.	.3	..	..	Ci.
	18	26.5	760.00	29.792	52.7	77.7	65.3	.486	57.8	70.	W.	..	..	.5	Ci-s., Ci., Ci-cu.
	19	26.5	760.25	29.788	52.	74.5	64.5	.497	58.5	70.	W.	..	..	.4	Ci-s., Ci., Ci-cu.
	20	25.4	760.50	29.817	53.7	70.8	62.5	.477	57.3	78.2	WSW.	..	..	..	Cu. at Hor.
	21	24.5	760.95	29.839	54.	70.	62.5	.484	57.6	80.	WSW.	..	..	..	Cu. at Hor.
	22	24.4	761.20	29.838	54.6	69.1	61.8	.473	57.	80.	WSW.	..	..	..	Clear.
	23	23.8	761.25	29.852	54.	66.3	60.	.452	55.6	83.	WSW.	..	..	.4	Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
17	0	23.4	761.40	29.861	50.9	66.8	58.8	.413	53.	80.5	WSW.	..	..	.2	Cu.
	1	23.3	761.30	29.857	54.	65.6	59.8	.455	55.8	82.5	WSW.	..	..	.6	Cu.
	2	22.8	761.10	29.852	54.	....	....	....	....	81.	WSW.	..	..	.7	Cu., Ci.
	3	22.4	761.50	29.869	53.	61.8	58.6	.463	56.3	85.	NNW.	..	..	.7	Cu., Cu-s.
	4	22.3	761.80	29.882	51.8	60.5	55.5	.394	51.6	88.6	NNW.	..	..	.7	Cu., Cu-s.
	5	22.	762.75	29.921	48.5	58.4	53.3	.361	49.	86.2	NNW.	..	..	.6	Cu., Ci., *SE.*
	6	21.4	763.25	29.943	49.2	58.5	53.7	.369	49.6	89.9	NNW.	..	..	.7	Cu.
	7	21.	763.40	29.950	....	62.7	52.8	.300	43.6	76.5	NNW.	..	..	.8	Ci., Cu., *SE.* by *E.*
	8	21.3	764.05	29.975	43.5	62.4	53.	.309	44.4	74.8	N.	..	..	.9	Ci., Cu., *SE.* by *E.*
	9	21.4	764.55	29.995	40.	63.7	52.7	.286	42.3	72.	NNE.	..	..	1.0	Cu., Ci-cu., *W.*
	10	21.4	765.00	30.012	40.8	65.	54.4	.315	45.	71.3	NNE.	..	..	1.0	Cu., Ci-cu.
	11	21.	765.30	30.025	41.5	62.	52.5	.301	43.7	74.	NNE.	..	..	1.0	Cu., S.
	12	20.4	765.40	30.033	45.8	61.5	53.1	.321	45.6	76 5	N.	..	..	1.0	Cu., S., raining, *W.*
	13	19.9	764.90	30.015	46.	60.6	53.	.329	46.3	79.7	NNW.	..	..	1.0	S., raining.
	14	20.1	765.00	30.018	*49.	58.1	53.5	.370	49.7	86.	NW.	..	.015	1.0	S., Cu., raining.
	15	20.2	765.20	30.025	48.8	58.5	53.1	.355	48.5	88.8	WNW.	..	.005	.9	S., Cu., raining.
	16	19.9	764.70	30.007	45.8	57.1	50.8	.312	44.8	87.	WSW.	..	..	.9	S., Cu.
	17	19.8	764.20	29.989	49.5	58.6	52.7	.342	47.4	85.9	SW.	..	..	1.0	S., Ci., Cu., Ci-cu.
	18	19.8	764.10	29.985	51.	58.6	53.4	.369	49.7	88.	SW.	..	..	1.0	Ci., Ci-cu.
	19	19.5	764.90	30.018	49.	56.	52.5	.367	49.5	94.	SW.	..	..	.9	Ci., Ci-cu.
	20	19.	765.40	30.039	47.8	53.5	50.7	.350	48.1	96.	SW.	..	..	.3	Cu. at Hor., Ci.
	21	19.2	766.00	30.062	49.	52.1	50.5	.362	49.1	98.5	SW.	..	..	..	Clear.
	22	18.5	766.60	30.089	38.	52.5	45.4	.238	37.	88.8	SW.	..	..	..	Clear.
	23	18.	766.15	30.074	....	52.3	45.	.231	36.2	86.8	N.	..	..	..	Clear.

* Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
6	0	19.8	771.20	30.263	41.8	45.8	44.8	.301	43.7	99.	SSE.	..	..	1.0	Cu., Ci-cu., Cu-s.
	1	18.8	770.40	30.235	42.	45.	43.7	.286	42.2	99.	S.	..	..	1.0	Cu., Cu-s.
	2	18.4	770.00	30.221	40.	45.	43.9	.291	42.7	100.	SSE.	..	..	1.0	Cu., Cu-s.
	3	18.2	770.00	30.222	42.4	44.	43.2	.286	42.2	100.	SSE.	..	..	1.0	Cu., Cu-s.
	4	18.5	770.10	30.224	43.	44.6	43.2	.279	41.5	100.	SSE.	..	..	1.0	Cu., Ci.
	5	19.2	770.60	30.242	....	43.9	42.9	.281	41.7	100.	SSE.	..	..	1.0	Ci-cu., Ci.
	6	19.4	770.90	30.252	43.8	45.4	44.	.287	42.3	100.	SSE.	..	..	1 0	Ci-cu., ? foggy.
	7	19.3	771.15	30.262	44.2	46.2	45.4	.310	44.6	99.8	SSE.	..	..	1.0	Ci., Cu-s., foggy.
	8	19.8	770.00	30.215	....	46.5	45.5	.309	44.5	99.7	SE.	..	..	1.0	N., Cu-s., foggy.
	9	19.9	771.00	30.253	47.	49.	48.	.338	47.1	99.	SE.	..	..	1.0	Cu-s.
	10	20.	771.05	30.255	47.5	49.1	48.	.337	47.	98.	SE.	..	..	1.0	Cu-s.
	11	20.3	770.35	30.226	49.	53.	50.5	.363	49.2	95.	SE.	..	..	.9	Cu.
	12	21.	769.80	30.202	50.7	56.8	53.	.371	49.8	91.	ESE.	..	..	.1	Cu., Cu-s.
	13	21.6	769.15	30.172	50.3	61.4	56.	.398	51.9	86.	ESE.	..	..	.1	Cu., Cu-s.
	14	22.	768.70	30.154	52.	64.9	58.6	.428	54.	84.	SE.	..	..	.8	Cu., Cu-s.
	15	22.6	768.30	30.137	49.	63.5	57.	.400	52.	83.	S.	1.0	..	.9	Ci-cu., Cu-s.
	16	21.	768.15	30.138	48.7	61.9	55.8	.387	51.	83.	S.	.8	..	.9	Ci., Cu-s.
	17	20.9	767.65	30.119	46.	61.2	55.7	.391	51.4	85.5	S.	.3	..	.9	Ci., Cu-s.
	18	20.6	767.25	30.104	50.3	58.5	54.5	.389	51.2	88.	S.	.3	..	1.0	Ci., Ci-cu., Cu-s.
	19	20.4	767.20	30.104	47.	56.2	53.1	.380	50.5	91.3	S.	..	..	1.0	Ci., Cu-s.
	20	20.	767.25	30.107	50.5	54.6	53.8	.416	53.2	97.	S.	..	..	1.0	Cu., Ci-cu.
	21	19.9	766.25	30.068	49.5	54.8	53.3	.401	52.1	99.	SSW.	..	..	1.0	Cu.
	22	19.6	766.65	30.086	49.	54.5	53.2	.401	52.1	100.	SSW.	..	..	1.0	Ci-cu.
	23	19.6	766.45	30.078	49.5	55.	53.8	.411	52.8	100.	SSW.	..	..	1.0	Ci., Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
8	0	24.2	759.55	29.784	62.	63.5	61.2	.518	59.7	97.4	NNE.	.3	..	.9	Cu., Cu-s.; aurora visible to north.
	1	23.7	759.50	29.785	62.	62.8	61.3	.530	60.4	98.	NE.	.1	..	.9	Cu., Cu-s.
	2	23.2	759.30	29.778	61.	62.6	61.2	.529	60.3	98.	NE.	..	..	1.0	Cu-s.
	3	23.2	759.40	29.782	60.	62.	61.	.530	60.4	98.	NE.	..	..	1.0	Cu-s.
	4	22.6	759.00	29.770	59.	61.	60.5	.527	60.2	98.	NE.	..	..	1.0	Cu.
	5	21.9	759.10	29.777	58.6	61.6	60.8	.528	60.3	98.5	NE.	..	..	1.0	Cu.
	6	21.7	759.35	29.788	59.	62.1	61.4	.540	60.9	98.4	NE.	..	..	1.0	Cu.
	7	21.5	759.25	29.786	....	62.8	61.7	.542	61.1	97.7	NE.	..	..	1.0	Cu.
	8	21.6	759.25	29.784	....	64.9	63.2	.563	62.2	97.3	ENE.	..	..	1.0	Cu.
	9	21.9	759.15	29.779	....	67.1	64.9	.591	63.7	97.	ESE.	..	..	1.0	Cu.
	10	22.	759.50	29.793	60.	68.2	61.5	.476	57.2	84.	E.	..	..	1.0	Cu.
	11	22.	759.35	29.787	51.5	66.7	59.2	.425	53.8	79.8	ESE.	..	..	1.0	Cu., N.
	12	21.9	759.55	29.795	56.	67.	59.9	.441	54.9	82.	E.	..	..	1.0	Cu., S.
	13	22.	759.30	29.785	53.	66.7	59.	.420	53.5	78.	ESE.	..	..	1.0	
	14	22.	758.85	29.768	53.	67.	58.8	.411	52.8	77.	E.	..	..	1.0	(1) Ci., Ci-cu., *W.*; (2) Cu., Cu-s.
	15	22.3	758.80	29.764	51.	68.5	59.5	.414	53.	70.	ESE.	1.0	..	.4	(1) Ci., Cu., *W.*; (2) S.
	16	22.3	759.00	29.771	45.	68.4	55.3	.334	54.4	67.5	W.	.8	..	..	Ci-cu., S., *W.*
	17	22.6	759.50	29.790	46.	68.3	57.8	.368	49.6	67.	W.	.5	..	.5	Ci-cu., Cu-s.
	*18	22.	759.60	29.797	49.	64.2	55.5	.353	48.4	71.8	W.	..	..	.6	Cu., Cu-s.
	19	22.5	759.95	29.808	48.5	62.6	55.5	.370	49.7	74.5	W.	..	..	1.0	Cu., Cu s., *W.*
	20	20.7	760.30	29.831	42.	60.7	53.6	.342	47.4	76.3	W.	..	..	1.0	Cu., Cu-s.
	21	20.3	760.80	29.853	46.	59.3	53.	.343	47.5	78.5	W.	..	..	.2	Cu., Ci cu.
	22	20.2	761.35	29.872	46.	58.1	52.	.332	46.6	80.	SE.	..	..	..	Ci-cu.
	23	19.9	761.75	29.889	43.	56.6	48.8	.272	40.8	79.	SSE.	..	..	.07	Cu., Ci-cu.

* Twenty minutes late.

DAILY METEOROLOGICAL OBSERVATIONS. [1610.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Dwd height, millimetres.	Barometer. Corr. height, inches.	Thermometer, Fah. Dew point.	Thermometer, Fah. Dry.	Thermometer, Fah. Wet.	Force of vapour, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., power.	Wind. Force, lbs.	Rain, inches.	Sky covered, tenths.	Clouds, and direction of their strata.
0	0	19.8	762.75	29.933	42.	54.7	48.6	298	42.9	79.8	SSE.			1	Cl-cu., Cu.
	1	19.5	761.75	29.894	42.	54.1	49.	304	44.	80.3	N.			.8	Cl., Cl-cu.
	2	19.	762.00	29.903	42.	53.1	46.6	304	44.	82.	N.			.9	Cu., N.
	3	18.7	762.00	29.903	43.8	50.5	47.	297	43.3	86.	N.			.8	N., Cu.
	4	18.1	762.75	29.940	44.	50.	46.5	293	43.9	86.	N.			.7	Cu., Cu.
	5	17.6	762.00	29.951		49.8	46.9	280	41.6	86.6	N.			.4	Cl., Cl-cu.
	6	17.6	762.30	29.963		51.6	47.7	308	43.8	87.1	N.			.4	Cl-cu.
	7	17.5	762.70	29.979	44.5	56.3	49.	293	43.8	83.3	N.			1.0	Cu., W.
	8	17.7	764.10	29.994	44.3	56.4	50.	301	43.7	81.7	N.			.8	Cu., W.
	9	17.9	764.80	30.009	43.4	57.4	49.8	286	42.3	76.6	N.			.9	Cl-cu.
	10	18.3	764.65	30.009		58.7	50.	276	41.3	77.3	N.			1.0	Cl-cu., N.
	11	18.5	764.80	30.006	40.4	61.	52.5	313	44.6	75.	NNW.			.8	Cl-cu.
	12	18.8	764.30	29.996	53.6	62.	52.6	301	43.7	71.8	NW.			1.0	Cu.
	13	19.6	763.80	29.974	50.3	...	...	...	...	...	NNW.			1.0	Cu.
	14	19.7	763.70	29.969		63.3	52.7	291	42.8	70.	NNW.			1.0	Cu., N.
	15	19.8	764.05	29.983	46.3	61.8	53.5	335	46.8	77.3	WNW.			1.0	Cu., N.
	16	19.6	763.80	29.973	49.8	60.5	54.7	373	50.	82.	NW.			1.0	Cu., N.
	17	19.5	764.10	29.986	43.	58.4	53.3	358	48.8	87.	NW.			1.0	Cu., N., NNW
	18	19.4	764.10	29.986	45.9	57.8	53.6	378	50.4	89.6	NW.			1.0	Cu., N., NNW
	19	19.1	764.60	30.003	47.3	56.5	53.	375	50.1	93.6	NW.			1.0	Cu., N., NNW
	20	19.	765.15	30.039	50.5	56.	53.5	393	51.5	94.5	NW.			1.0	Cu., N.
	21	19.5	765.70	30.040	44.	55.6	53.3	380	51.3	95.	NW.			1.0	Cu., N.
	22	21.	766.05	30.086	50.5	65.3	53.4	399	51.9	90.	NW.			1.0	N., Cu., Cu-n
	23	23.	765.95	30.043	52.	65.	53.3	399	51.9	90.5	NW.			1.0	Cu., Cu-n.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
10	0	25.1	766.30	30.016	49.8	54.	51.9	.375	50.1	97.	SW.	..	..	1.0	Cu., Cu-s.
	1	24.7	766.35	30.050	49.	53.5	52.	.383	50.7	98.	SW.	..	..	1.0	Cu., Ci-s., N.
	2	25.3	767.40	30.088	50.	53.5	52.	.383	50.7	98.5	SW.	..	..	1.0	N., drizzling.
	3	25.8	767.50	30.089	50.8	53.3	51.8	.380	50.5	100.	SE.	..	..	1.0	N., drizzling.
	4	25.8	767.50	30.089	50.	51.7	50.	.354	48.4	98.	ESE.	.2	..	1.0	Cu., Cu-s.
	5	25.7	768.25	30.120	44.8	50.7	47.9	.315	45.1	95.	ESE.	.5	..	1.0	Ci., Cu-s., *NE.*
	6	25.4	768.80	30.142	43.4	49.7	46.8	.301	43.7	94.2	E.	.9	..	1.0	Cu., *NE.*
	7	24.4	769.00	30.153	42.8	49.4	46.3	.272	40.8	90.2	E.	1.0	..	1.0	Cu., S., *NE.*
	8	24.4	769.40	30.169	43.8	51.5	46.3	.270	40.6	88.3	E.	.5	..	1.0	Cu., *NE.*
	9	24.3	769.20	30.161	....	53.3	47.8	.283	42.	84.	E.	.6	..	1.0	Cu., Ci-cu., *SW.* by *W.*
	10	24.2	769.60	30.178	42.3	53.5	47.5	.275	41.1	83.	E.	.7	..	1.0	S., Cu.
	11	23.8	769.15	30.161	42.5	54.5	48.3	.281	41.7	82.5	E.	.7	..	1.0	S., Cu.
	12	22.7	769.35	30.175	42.	52.7	46.9	.270	40.6	82.5	E.	1.0	..	1.0	S., N., raining.
	13	22.6	769.10	30.166	42.	50.6	46.5	.284	42.1	90.	E.	1.5	..	1.0	N., raining.
	14	22.1	768.60	30.150	44.	49.5	46.9	.306	44.2	92.3	E.	.8	.02	1.0	N., raining.
	15	21.2	768.20	30.140	44.	48.2	46.	.301	43.7	96.5	E.	.7	.05	1.0	N., raining.
	16	20.5	768.25	30.144	43.	47.	45.3	.299	43.5	96.	E.	2.0	.08	1.0	N., raining.
	*17	20.7	768.00	30.134	42.5	46.5	45.	.297	43.3	97.	E.	.8	.07	1.0	N., raining.
	18	21.	768.25	30.142	42.	46.	44.	.281	41.7	97.	E.	2.5	.03	1.0	N., raining.
	19	21.6	767.65	30.115	41.	45.6	43.8	.282	42.9	98.	E.	1.0	.05	1.0	N., raining.
	20	21.8	768.65	30.155	42.	45.3	43.7	.283	42.	98.	E.	.8	.05	1.0	N., raining.
	21	22.	767.50	30.108	42.	45.4	43.5	.278	41.4	97.	E.	.7	.03	1.0	N., raining.
	22	21.8	767.05	30.091	40.	45.	43.5	.282	41.8	98.	E.	1.0	.04	1.0	N., raining.
	23	21.2	766.50	30.073	42.	45.2	43.6	.282	41.8	96.3	E.	.3	.02	1.0	N., raining.

* Twenty minutes late.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
11	0	21.2	766.20	30.061	41.	45.3	43.7	.283	42.	97.5	E.	.3	.02	1.0	N., raining.
	1	21.2	765.40	30.029	42.	45.7	44.	.285	42.1	96.	ENE.	.1	..	1.0	N., drizzling.
	2	20.3	764.80	30.010	42.	45.6	43.6	.278	41.4	93.6	ENE.	.1	..	1 0	Cu-s., Cu.
	3	20.2	764.30	29.990	40.4	46.6	44.	.275	41.1	94.	ENE.	.1	..	1.0	Cu-s.
	4	20.1	763.70	29.967	40.	47.	44.5	.281	41.7	92.5	ENE.	.1	..	1.0	Cu-s.
	5	20.	764.00	29.979	40.2	46.6	44.	.275	41.1	90.3	ENE.	.2	..	1.0	Cu-s.
	6	19.6	764 05	29.983	40.5	47.3	44.3	.273	40.9	90.3	ENE.	.2	..	1.0	Cu.
	7	19.4	763.75	29.972	41.5	49.	45.5	.281	41.7	90.6	ENE.	.2	..	1.0	Cu.
	8	19.	763.60	29.968	41.8	50.	46.	.281	41.7	89.5	ENE.	.3	..	1.0	Cu.
	9	18.9	763.40	29.960	44.	52.9	48.	.294	43.1	81.5	ENE.	.5	..	1.0	Cu., S.
	10	18.9	763.40	29.960	46.2	54.2	48.5	.291	42.8	84.	ENE.	2.0	..	1.0	Cu., S.
	11	19.2	763.35	29.957	45.3	55.5	49.6	.302	43.8	84.	ENE.	1.5	..	1.0	Cu., S.
	12	19.3	763.00	29.943	46.8	55.8	50.5	.321	45.6	85.8	ENE.	1.0	..	1.0	Cu., S.
	13	19.2	762.80	29.936	47.6	55.7	51.5	.346	47.8	89.	ENE.	.8	..	1.0	Cu., S.
	14	19.2	762.85	29.938	48.2	54.5	50.2	.328	46.2	89.	ENE.	.5	..	1.0	Cu., S.
	15	19.2	762.25	29.914	52.7	56.5	52.	.350	48.1	90.	ENE.	.5	..	1.0	Cu.
	16	19.4	762.40	29.919	46.	58.	53.2	.362	49.1	88.	ENE.	.5	..	1.0	Cu.
	17	19.6	762.25	29.912	49.	58.8	53.5	.362	49.1	87.	NE.	.3	..	.9	Cu., Ci cu.
	18	19.8	762.15	29.908	48.	59.	53.5	.359	48.8	85.	NE.	..	..	.5	Cu., Ci-cu.
	19	19.8	762.30	29.914	44.	56.8	52.6	.372	49.9	89.	ENE.	..	..	.2	Cu.
	20	20.4	762.45	29.917	48.9	55.8	52.5	.369	49.7	90.9	NNE.	..	..	..	Cu. at Hor.
	21	20.7	763.20	29.914	49.	55.	52.	.366	49.4	92.2	NNW.	..	..	..	Cu. at Hor.
	22	21.2	763.25	29.944	48.	54.7	52.	.369	49.7	93.5	NNW.	..	..	..	Cu. at Hor.
	23	21.1	762.55	29.917	48.4	52.4	50.5	.358	48.8	97.2	NNW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
12	0	21.4	762.20	29.902	47.7	50.8	49.5	.352	48.3	100.	NNW.	..	..	..	Clear.
	1	20.9	761.80	29.889	48.	50.5	49.	.344	47.6	100.	NNW.	..	..	..	Clear.
	2	20.	761.60	29.885	46.8	49.5	48.	.332	46.6	99.5	NNW.	..	..	..	Clear.
	3	21.1	761.65	29.882	44.8	48.5	46.5	.309	44.5	97.	NNW.	..	..	..	Clear.
	4	21.4	761.80	29.887	42.	46.8	45.3	.301	43.6	96.	NNW.	..	..	..	Clear.
	5	21.9	762.45	29.909	41.4	47.7	44.8	.280	41.6	92.4	NNW.	..	..	..	Clear.
	6	21.8	762.55	29.913	43.8	51.4	47.2	.292	42.9	87.4	NNW.	..	..	..	Clear.
	7	21.8	762.85	29.925	44.8	54.4	49.1	.303	43.9	84.3	NNW.	..	..	..	Clear.
	8	23.3	763.15	29.929	44.5	57.8	50.7	.302	43.8	79.2	NNW.	..	..	..	Clear.
	9	23.9	763.15	29.931	44.5	60.5	52.4	.314	45.	77.2	N.	..	..	..	Clear.
	10	24.5	763.25	29.928	45.2	64.9	54.4	.316	45.1	72.	N.	..	..	..	Clear.
	11	25.3	763.20	29.922	47.8	68.	56.8	.345	47.7	70.	NNE.	..	..	..	Clear.
	*12	26.2	763.00	29.910	....	72.2	58.	.330	46.4	64.	NNE.	..	..	.3	Ci.
	13	26.8	762.80	29.900	42.2	72.8	57.8	.318	45.3	63.	NE.	..	..	..	Ci.
	14	27.8	762.70	29.891	42.	73.4	59.2	.350	48.1	65.	ENE.	..	..	..	Ci.
	15	28.5	762.65	29.885	41.8	75.	64.2?	.481?	57.5?	69.	ESE.	..	..	..	Ci.
	16	29.	762.25	29.867	45.8	75.4	63.2	.445	55.2	64.	ESE.	..	..	..	Ci.
	17	29.7	762.10	29.858	43.6	76.	62.5	.417	53.4	59.	ESE.	..	..	..	Ci.
	18	26.	761.70	29.860	45.8	73.4	64.	.492	58.2	66.8	SE.	..	..	..	Ci.
	19	24.4	761.55	29.862	43.5	69.5	58.2	.366	49.4	67.	SSW.	..	..	..	Slight haze, Cu.
	20	21.	761.35	29.870	49.8	65.5	58.	.405	52.4	77.	SSW.	..	..	..	Slight haze, Cu.
	21	21.2	762.00	29.895	48.	58.8	54.4	.385	50.9	84.9	SW.	..	..	..	Slight haze, Cu.
	22	24.5	762.30	29.891	46.5	57.5	53.7	.380	50.5	88.2	SW.	..	..	..	Clear.
	23	24.5	762.00	29.879	48.	56.	52.5	.368	49.6	90.	SW.	..	..	.1	Ci.

* Thirty minutes late.

Day.	Hour.	Barometer. Observed height, millimetres.	Temperature, centigrade.	Wind. Direction.	Force.	Rain gauge.	Dry.	Wet.	Evaporation, Inch.	Force of vapour, mm.	Amount of cloud.	Sky. Remarks.	Sky. Direction.	Force.	Rain. Inches.	Ozone. Intensity.
13	0	760.80	24.1													
	1	761.00	23.6													
	2	761.00	23.													
	3	761.20	22.7													
	4	761.40	21.9													
	5	761.60	20.6													
	6	761.70	20.9													
	7	761.80	20.7													
	8	761.85	20.9													
	9	761.70	21.5													
	10	761.60	22.													
	11	761.40	22.7													
	12	761.00	23.6													
	13	760.90	23.7													
	14	760.30	24.3													
	15	760.25	24.3													
	16	760.40	24.6													
	17	760.35	24.8													
	18	760.60	25.													
	19	760.75	24.4													
	20	760.95	23.7													
	21	761.00	23.6													
	22	760.90	23.													
	23	.....	....													

* Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
15	0	22.8	760.35	29.823	....	63.8	61.3	.512	59.3	96.	SW.	..	..	.3	Ci., Cu-s.
	1	22.8	760.30	29.821	58.	63.	61.	.519	59.8	96.	SW.	..	..	.3	Cu-s. at Hor.
	2	22.2	760.00	29 811	58.8	62.	59.6	.489	58.	97.	SW.	..	..	.3	Cu-s. at Hor.
	3	22.6	759.45	29.788	....	61.	58.	.455	55.8	97.5	SW.	..	..	.3	Cu-s. at Hor.
	4	22.7	759.75	29.799	....	58.8	57.6	.468	56.7	98.	SW.	..	..	.2	Ci-s., Cu-s.
	5	22.1	759.70	29.801	57.4	60.5	58.8	.484	57.7	98.	SW.	..	..	.3	Ci-s.
	6	21.3	760.00	29.816	58.	62 5	59.8	.490	58.	96.3	SW.	..	..	.3	Ci., Ci cu.
	7	21.5	760.00	29.815	60.4	67.6	63.3	.537	60.8	92.9	SW.	..	..	.3	Ci., Ci-cu.
	8	22.	759.65	29.799	60.	69.4	64.4	.550	61.5	91.3	SW.	..	..	.5	Ci.
	9	22.4	759.60	29.794	60.	71.4	65.4	.559	62.	89.8	SW.	.25	..	1.0	Ci., S.
	10	23.	759.35	29.782	62.	73.1	66.6	.579	63.1	89.	SW.	.50	..	.7	Ci cu, Ci., S.
	11	23.4	759.20	29.774	66.	74.1	67 5	.597	64.	88.8	SSW.	.10	..	.8	Ci., Ci-s., S.
	12	24.	758 70	29.751	66.	76.5	69 8	.648	66.5	88.	SSW.	.25	..	1.0	Ci., Ci-s., S.
	13	24.4	758.35	29.736	66.8	78.	71.	.674	67.7	88.	SSW.	.20	..	1.0	Ci., Ci-s., S.
	14	25.	758.00	29.719	67.	78.5	70.9	.664	67.2	86.3	SSW.	.60	..	1.0	Ci., Ci-s , S.
	15	25.8	757.35	29.690	68.	79.8	72.	.689	68.4	86.8	WSW.	.50	..	.6	S., Cu-s., Ci., Ci-cu., Cu.
	16	26.5	756.80	29.666	67.	80.5	72.5	.711	69.3	86.2	SSW.	.50	..	.6	S., Cu-s., Ci., Ci-cu., Cu.
	17	27.2	756.80	29.664	66.	79.9	72.2	.696	68.7	87.	SW.	.50	..	.5	S., Ci., Ci-cu., Cu.
	18	....	.....	.....	67.	78.5	71.5	.686	68.2	88.2	SW.	.30	..	.4	Ci., Ci-cu., Cu.
	19	26.3	757.50	29.696	65.2	75.5	71.	.701	68.9	90.	SSW.	..	..	.5	Ci., Ci cu., Cu.
	20	26.5	757.55	29.698	66.	73.	68.5	.642	66.2	93.	SSW.	..	..	.4	Ci., Ci-cu., Cu
	21	26.5	757.45	29.694	65.	72.5	68.	.631	65.7	95.	SSW.	..	..	1.0	Overcast.
	22	26.	756.75	29.707	62.2	72.5	67.7	.621	65.2	93.2	SSW.	..	..	1.0	Overcast.
	23	25.6	757.40	29.696	62.	70.3	65.2	.565	62.4	92.	SW.	..	..	1.0	Overcast.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
16	0	25.1	757.60	29.707	....	68 2	64.	.551	61.6	98.	SW.	..	..	..	Overcast.
	1	24.6	757.45	29.700	63.	66.5	63.5	.555	61.8	98.	SSW.	..	..	..	Ci-cu., Cu., Ci.
	2	24.2	757.65	29.710	62.	65.	...5	.541	61.	98.	SSW.	..	..	..	Clear.
	3	24.7	758.30	29.733	60.8	63.5	61.5	.528	60.3	100.	SSW.	..	..	..	Clear.
	4	23.9	758.75	29.754	60.	62.2	60.7	.520	59.8	100.	SSW.	..	..	..	Clear.
	5	23.4	759.30	29.778	58.5	61.1	59.8	.505	58.9	100.	SSW.	..	..	..	Clear.
	6	23.4	760.25	29.814	60.	63.7	61.5	.525	60.1	98.8	SSW.	..	..	..	Clear.
	7	23.6	760.90	29.841	54.	68.7	60.2	.432	54.3	78.5	SSW.	..	..	..	Clear.
	8	23.7	761.20	29.851	53.8	69.	58.1	.369	49.7	72.2	W.	..	..	..	Clear.
	9	22.9	761.20	29.856	49.	69.9	58.	.356	48.6	70.5	WNW.	..	..	..	Clear.
	10	23.	761.25	29.857	45.	71.	58.2	.349	48.	69.2	WNW.	..	..	..	Clear.
	11	23.6	761.15	29.850	53.5	72.5	61.5	.427	53.9	70.3	WNW.	..	..	..	Clear.
	12	24.5	761.00	29.840	55.	74.7	61.2	.393	51.5	67.8	WNW.	..	..	..	Clear.
	13	24.6	760.80	29.832	51.	75.1	60.4	.365	49.3	65.5	WNW.	.05	..	..	Clear.
	14	25.2	760.55	29.819	51.	77.	63.5	.437	54.6	67.	W.	.2	..	..	Clear.
	15	25.8	760.35	29.808	50.5	77.9	61.6	.369	49.7	64.	W.	.7	..	..	Ci.
	16	26.	760.15	29.799	53.5	79.	64.9	.460	56.2	65.	W.	.5	..	..	Ci.
	17	26.5	760.00	29.792	53.	79.7	64.5	.440	54.8	64.7	W.	.3	..	..	Ci.
	18	26.5	760.00	29.792	52.7	77.7	65.3	.486	57.8	70.	W.	..	..	.5	Ci-s., Ci., Ci-cu.
	19	26.5	760.25	29.788	52.	74.5	64.5	.497	58.5	70.	W.	..	..	.4	Ci-s., Ci., Ci-cu.
	20	25.4	760.60	29.817	53.7	70.8	62.5	.477	57.3	78.2	WSW.	..	..	..	Cu. at Hor.
	21	24.5	760.95	29.839	54.	70.	62.5	.484	57.6	80.	WSW.	..	..	..	Cu. at Hor.
	22	24.4	761.20	29.838	54.6	69.1	61.8	.473	57.	80.	WSW.	..	..	..	Clear.
	23	23.8	761.25	29.852	54.	66.3	60.	.452	55.6	83.	WSW.	..	..	.4	Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
17	0	23.4	761.40	29.861	50.9	66.8	58.8	.413	53.	80.5	WSW.	..	..	.2	Cu.
	1	23.3	761.30	29.857	54.	65.6	59.8	.455	55.8	82.5	WSW.	..	..	.6	Cu.
	2	22.8	761.10	29.852	54.	....	....	....	....	81.	WSW.	..	..	.7	Cu., Ci.
	3	22.4	761.50	29.869	53.	61.8	58.6	.463	56.3	85.	NNW.	..	..	.7	Cu., Cu-s.
	4	22.3	761.80	29.882	51.8	60.5	55.5	.394	51.6	88.6	NNW.	..	..	.7	Cu., Cu-s.
	5	22.	762.75	29.921	48.5	58.4	53.3	.361	49.	86.2	NNW.	..	..	.6	Cu., Ci., *SE.*
	6	21.4	763.25	29.943	49.2	58.5	53.7	.369	49.6	89.9	NNW.	..	..	.7	Cu.
	7	21.	763.40	29.950	....	62.7	52.8	.300	43.6	76.5	NNW.	..	..	.8	Ci., Cu., *SE.* by *E.*
	8	21.3	764.05	29.975	43.5	62.4	53.	.309	44.4	74.8	N.	..	..	.9	Ci., Cu., *SE.* by *E.*
	9	21.4	764.55	29.995	40.	63.7	52.7	.286	42.3	72.	NNE.	..	..	1.0	Cu., Ci-cu., *W.*
	10	21.4	765.00	30.012	40.8	65.	54.4	.315	45.	71.3	NNE.	..	..	1.0	Cu., Ci-cu.
	11	21.	765.30	30.025	41.5	62.	52.5	.301	43.7	74.	NNE.	..	..	1.0	Cu., S.
	12	20.4	765.40	30.033	45.8	61.5	53.1	.321	45.6	76 5	N.	..	..	1.0	Cu., S., raining, *W.*
	13	19.9	764.90	30.015	46.	60.6	53.	.329	46.3	79.7	NNW.	..	..	1.0	S., raining.
	14	20.1	765.00	30.018	*49.	58.1	53.5	.370	49.7	86.	NW.	..	.015	1.0	S., Cu., raining.
	15	20.2	765.20	30.025	48.8	58.5	53.1	.355	48.5	88.8	WNW.	..	.005	.9	S., Cu., raining.
	16	19.9	764.70	30.007	45.8	57.1	50.8	.312	44.8	87.	WSW.	..	..	.9	S., Cu.
	17	19.8	764.20	29.989	49.5	58.6	52.7	.342	47.4	85.9	SW.	..	..	1.0	S., Ci., Cu., Ci-cu.
	18	19.8	764.10	29.985	51.	58.6	53.4	.369	49.7	88.	SW.	..	..	1.0	Ci., Ci-cu.
	19	19.5	764.90	30.018	49.	56.	52.5	.367	49.5	94.	SW.	..	..	.9	Ci., Ci-cu.
	20	19.	765.40	30.039	47.8	53.5	50.7	.350	48.1	96.	SW.	..	..	.3	Cu. at Hor., Ci.
	21	19.2	766.00	30.062	49.	52.1	50.5	.362	49.1	98.5	SW.	..	..	..	Clear.
	22	18.5	766.60	30.089	38.	52.5	45.4	.238	37.	88.8	SW.	..	..	..	Clear.
	23	18.	766.15	30.074	....	52.3	45.	.231	36.2	86.8	N.	..	..	..	Clear.

* Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
18	0	17.2	767.40	30.126	36.	50.5	44.5	.241	37.4	75.	N.	..	..	.3	Ci., Ci-s.
	1	16.7	767.45	30.131	33.8	48.1	43.3	.242	37.5	77.	NNE.	..	..	.4	Cu., Ci-cu.
	2	16.3	767.85	30.149	32.	47.3	42.	.223	35.2	80.	NNE.	..	..	.3	Cu., Ci cu.
	3	16.4	768.	30.155	34.5	46.2	41.8	.231	36.2	81.	NNE.	..	..	.3	Cu., Cu s., Ci-cu.
	4	16.	768.	30.156	32.2	44.9	40.5	.219	34.7	84.	NNE.	..	..	.2	Ci., Ci s.
	5	15.4	768.65	30.185	35.	45.2	41.	.226	35.5	83.8	N.	..	..	1.0	Ci., Cu., Cu s.
	6	15.2	769.05	30.200	36.2	45.8	41.6	.232	36.3	85.1	N.	..	..	1.0	Ci., Cu., Ci-s.
	7	14.6	769.15	30.206	35.4	47.4	42.5	.232	36.3	84.5	N.	..	..	1.0	Ci., Cu., Ci-s.
	8	14.6	769.20	30.208	36.8	50.4	44.5	.242	37.5	82.8	NNE.	..	..	1.0	Cu.
	9	15.	769.25	30.209	†36.	52.3	45.6	.245	37.8	80.3	NNE.	..	..	1.0	S., Cu.
	10	14.8	769.50	30.220	36.5	53.4	45.5	.230	36.1	78.	NE.	..	..	1.0	S., Cu.
	11	15.5	769.70	*30.224	38.	55.1	47.2	.249	38.3	77.	ENE.	..	..	1.0	S.
	12	15.8	769.55	30.217	36.	55.6	47.	.239	37.1	75.5	ENE.	..	..	1.0	S.
	13	16.2	769.20	30.201	35.	57.2	49.2	.272	40.8	76.	E.	..	..	1.0	S.
	14	16.2	768.70	30.182	37.5	57.7	48.7	.254	38.9	75.	E.	..	..	1.0	S.
	15	17.	768.35	30.165	39.5	58.5	49.4	.262	39.7	74.	E.	..	..	1.0	S.
	16	17.6	768.05	30.151	40.	58.5	49.	.253	38.7	73.	NE.	..	..	1.0	
	17	18.	768.	30.147	40.	58.6	51.2	.305	44.1	73.1	NE.	..	..	1.0	Ci-cu., S.
	18	18.	767.85	30.141	41.	57.1	50.7	.309	44.5	78.7	NE.	..	..	.9	Cu., Ci., *NE.*
	19	17.5	768.10	30.153	41.6	53.	49.	.315	45.	83.	ESE.	..	..	1.0	Ci.
	20	17.1	768.05	30.152	42.	51.1	47.3	.298	43.4	86.5	SSE.	..	..	1.0	Cu., Ci., Ci-s.
	21	17.5	768.25	30.159	41.	50.2	46.8	.296	43.2	87.4	SSE.	..	..	1.0	Cu., Ci., Ci-s.
	22	17.	768.20	30.160	41.6	50.1	46.5	.301	43.7	88.4	SSE.	..	..	1.0	Cu., Ci., Ci-s.
	23	16.7	768.05	30.155	42.	49.1	45.7	.283	42.	89.5	SSE.	..	..	.8	Ci., Ci-s.

* Thirty minutes late.

† Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
19	0	16.	767.90	30.152	42.	46.5	44.1	.278	41.4	93.3	SSE.	..	..	.5	Ci., Cu.
	1	15.8	767.70	30.145	42.8	46.	44.5	.292	42.9	97.7	SSE.	..	..	1.0	Ci., Cu.
	2	15.1	767.10	30.125	42.	46.	43.6	.273	40.9	96.	SSE.	..	..	.9	Ci-cu., Cu.
	3	14.4	766.95	30.123	42.	45.	43.8	.286	42.3	100.	SSE.	..	..	.9	Ci-cu., Cu.
	4	17.7	767.30	30.120	42.	45.5	44.1	.289	42.6	100.	SSE.	..	..	1.0	Ci-cu., Cu.
	5	19.6	767.60	30.123	41.8	46.6	44.2	.279	41.5	95.7	SSE.	..	..	1.0	Ci-cu.
	6	20.	767.90	30.133	42.8	47.6	45.6	.284	42.	96.2	SSE.	..	..	1.0	Ci-cu., Cu.
	7	19.	767.55	30.124	43.5	49.5	46.7	.301	43.7	95.5	SSE.	..	..	1.0	Ci-cu., Cu.
	8	19.3	767.50	30.120	44.	51.8	47.5	.294	43.	97.2	ESE.	..	..	1.0	Ci-cu., Cu.
	9	20.7	767.55	30.116	48.	56.	50.	.306	44.2	84.9	ENE.	..	..	1.0	Ci-cu., Cu.
	10	21.	767.35	30.106	42.	59.7	50.	.264	40.	74.5	ENE.	..	..	.9	Ci-cu., Cu.
	11	22.9	767.30	30.096	42.5	61.1	51.	.273	40.9	71.8	ENE.	..	..	.7	Ci cu., Cu.
	12	24.2	766.80	30.070	41.2	63.5	51 6	.261	39.6	70.	ENE.	..	..	1.0	Cu.
	13	26.1	766.55	30.061	40.5	67.	55.6	.323	45.8	68.2	E.	..	..	1.0	Cu.
	14	27.3	766.40	30.039	38.8	66.	53.1	.270	40.6	66.	E.	..	..	.9	Ci-cu., Cu.
	15	22.	765.60	30.033	43.5	64.5	52.	.260	39.5	66.	E.	..	..	1.0	Ci-cu., Cu.
	16	26.	765.80	30.021	43.8	61.5	51.5	.281	41.8	67.8	ESE.	..	..	1.0	Ci-cu., Cu.
	17	26.	765.75	30.019	42.	60.1	51.3	.291	42.8	69.3	ESE.	..	..	1.0	Ci-cu., Cu.
	18	26.	765.55	30.011	42.5	59.	48.8	.244	37.8	68.6	ESE.	..	..	1.0	Ci-cu., Cu.
	19	25.	765.55	30.016	38.6	57.7	48.6	.254	38.9	70.	E.	..	..	1.0	Ci-cu., Cu.
	20	25.	765.50	30.014	43.5	55.8	49.7	.302	43.8	73.5	E.	..	..	1.0	Ci-cu., Cu.
	21	23.6	765.20	30.009	42.	55.3	48.8	.285	42.1	73.8	E.	..	..	1.0	Ci-cu., Cu.
	22	23.5	764.75	29.992	41.5	54.3	49.	.302	43.8	78.	E.	..	..	1.0	S., Ci.
	23	23.	764.75	29.995	45.4	53.6	49.	.310	44.6	82.	E.	..	..	1.0	S., Ci.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
20	0	23.	763.95	29.963	*41.	53.3	47.6	.280	41.6	80.8	ENE.	..	..	1.0	N., raining.
	1	22.5	763.25	29.937	38.	52.5	46.4	.262	39.7	79.5	ENE.	.	.02	1.0	N., raining.
	2	22.2	762.80	29.921	46.	49.5	46.5	.297	43.3	89.	ENE.	..	.06	1.0	N., Cu., raining.
	3	22.3	762.40	29.905	44.7	50.	46.3	.288	42.5	89.2	NE.	..	..	1.0	Cu-s., Cu.
	4	23.	762.15	29.893	45.	50.	47.	.303	43.9	92.	NE.	..	..	1.0	Cu-s., Cu.
	5	22.8	762.25	29.897	40.2	50.7	45.6	.264	40.	87.	NNE.	..	.	1.0	Ci-s., Cu., Ci.
	6	21.5	762.35	29.904	41.2	51.4	46.1	.268	40.4	85.5	NNE.	..	..	1.0	Ci., Ci-s., Cu.
	7	21.9	762.10	29.895	41.5	53.4	47.3	.272	40.8	82.9	NNE.	..	..	1.0	Ci., Ci-s., Cu., *SE* by *E*.
	8	23.2	762.00	29.884	42.5	56.8	48.9	.271	40 7	79.	NNE.	..	..	.9	Cu-s., Ci-cu.
	9	23.0	761.75	29.872	41.	58.8	48.9	.249	38.5	72.	NNE.	..	..	.4	Cu., Ci-cu.
	10	24.	761.35	29.856	44.	60.4	49.1	.235	36.7	69.	NE.	.4	..	.9	Cu., Ci-cu.
	11	25.6	761.35	29.848	43.8	61.7	49.9	.240	37.2	68.2	ENE.	.5	..	.6	Cu., Ci-cu.
	12	25.3	760.75	29.827	39.	65.	53.3	.287	42.4	67.8	ENE.	.5	..	.9	Cu., Ci-cu.
	13	27.4	760.30	29.798	41.5	65.6	53.5	.285	42.2	68.	NE.	.9	..	.9	Cu., Ci-cu.
	14	23.6	759.35	29.779	42.	66.5	53.6	.252	38.6	66.5	ENE.	.4	..	.9	Cu., Ci-cu.
	15	.....	.....	.....	....	66.8	53.	.259	39.4	65.	ENE.	.1	..	.7	Ci-cu.
	16	26.1	758.80	29.746	44.	66.5	53.1	.240	37.2	62.8	ENE.	.1	..	.5	Ci-cu.
	17	27.	758.50	29.730	38.5	65.	52.5	.267	40.3	65.5	ENE.	..	..	.4	Ci-cu.
	18	27.5	758.55	29.729	38.	64.5	52.1	.262	39.7	66.3	ENE.	..	..	..	Cu. at Hor.
	19	22.	758.05	29.736	38 5	61.	53.4	.332	46.6	75.1	ENE.	..	..	..	Cu. at Hor.
	20	24.2	758.15	29.729	41.	55.6	50.	.311	44.7	81.	E.	..	..	..	Cu. at Hor.
	21	23.2	758.25	29.737	41.	52.5	47.6	.289	42.5	84.3	SSE.	..	..	..	Clear.
	22	22.5	758.15	29.737	43.	50.5	46.8	.293	42.9	89.	SE.	..	..	..	Clear.
	23	22.	757.85	29.729	42.1	50.	46.5	.292	42.8	89.5	SE.	..	..	..	Clear.

* Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
22	0	20.	755.50	29.647	49.	54.2	51.5	.363	49.2	92.2	SW.	..	..	..	Clear.
	1	19.3	755.00	29.630	45.8	54.8	51.	.344	47.6	90.	SW.	..	..	..	Clear.
	2	19.	755.00	29.632	44.8	53.	49.7	.333	46.7	90.	SW.	..	..	..	Clear.
	3	18.4	754.80	29.628	45.	51.5	49.6	.347	47.9	94.	SW.	..	..	..	Clear.
	4	18.2	755.10	29.639	48.	50.5	49.	.344	47.6	96.5	SW.	..	..	.8	Ci-s.
	5	18.2	755.50	29.655	47.	51.	49.5	.350	48.1	96.2	SW.	..	..	1.0	Ci-s.
	6	17.6	755.60	29.666	....	53.4	51.8	.379	50.4	96.	SW.	..	..	.8	Ci-s.
	7	18.2	756.00	29.672	52.	59.	55.5	.411	52.8	90.9	SW.	..	..	.9	Ci-s.
	8	18.6	756.15	29.677	54.	63.3	58.8	.453	55.7	89.	SSW.	..	..	.8	Ci-s.
	9	19.3	756.50	29.687	52.7	66.7	60.7	.470	56.8	86.	SSW.	..	..	1.0	S.
	10	19.8	756.60	29.690	....	69.5	61.6	.465	56.5	81.2	SSW.	..	..	1.0	S.
	11	20.7	756.65	29.687	52.4	71.2	61.7	.449	55.4	76.9	SSW.	.3	..	1.0	S., Cu., W.
	12	21.4	756.60	29.682	52.8	72.	60.5	.405	52.4	72.8	SSW.	2.0	..	1.0	S., Cu.
	13	21.7	756.50	29.676	53.7	71.7	61.2	.428	54.	75.8	SSW.	2.0	..	1.0	S., Cu., Ci-cu.
	14	22.1	756.40	29.670	50.8	72.5	61.7	.435	54.5	74.9	SSW.	2.0	..	.9	S , Cu., Ci-cu.
	15	22.2	756.50	29.673	51.3	69.7	59.5	.403	52.2	76.	SSW.	2.0	..	1.0	S., Cu.
	16	22.4	756.50	29.672	....	69.5	60.	.418	53.3	76.3	SSW.	2.0	..	1.0	S., Cu.
	17	22.5	756.30	29.664	*50.5	67.5	56.9	.355	48.5	76.5	SSW.	.3	..	1.0	S., Cu.
	18	22.4	756.20	29.660	48.6	66.	58.2	.407	52.5	78.5	SSW.	..	..	1.0	S., Cu.
	19	22.	756.30	29.667	49.8	64.8	57.7	.407	52.5	80.	S.	.2	..	1.0	S., Cu.
	20	21.7	756.60	29.680	†51.8	63.5	57.5	.414	53.	82.3	SSW.	.2	..	1.0	S., Cu., raining.
	21	21.6	756.65	29.682	50.8	61.5	55.8	.392	51.4	89.	SSW.	.6	..	1.0	Cu., N., raining.
	22	21.2	756.55	29.681	55.3	61.1	57.	.428	54.	94.5	SSE.	.3	..	1.0	N., raining.
	23	20.9	756.35	29.674	55.1	59.9	56.3	.422	53.6	96.	SSE.	..	..	1.0	N., raining.

* Twenty-five minutes late.

† Ten minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
23	0	20.5	755.70	29.650	54.8	58.7	57.6	.471	56.9	99.	SSE.	..	..	1.0	N., raining.
	1	20.3	755.10	29.630	57.8	59.2	58.	.476	57.2	99.	S.	..	.01	1.0	N., drizzling.
	2	21.6	755.00	29.619	57.6	58.5	57.5	.470	56.8	99.5	S.	..	..	1.0	N., drizzling.
	3	20.	755.00	29.627	55.8	57.7	56.4	.450	55.5	98.8	SW.	..	..	1.0	Cu.
	4	19.7	755.20	29.637	55.4	57.5	56.2	.447	55.3	99.	WSW.	..	..	1.0	N., Cu., drizzling.
	5	19.5	755.60	29.653	54.3	57.3	56.2	.449	55.4	99.	SW.	..	..	1.0	N., Cu.
	6	19.4	756.25	29.677	53.6	57.8	56.3	.446	55.2	97.2	SW.	..	..	..	A few Cu. in *E.*
	7	19.6	756.80	29.698	53.8	59.	56.	.425	53.8	94.	WSW.	..	..	.8	Cu., *W.*
	8	19.6	757.30	29.718	56.2	60.3	56.9	.435	54.5	93.	WSW.	..	..	.1	Cu. in *E.*
	9	20.1	757.20	29.712	55.6	62.5	57.5	.426	53.9	93.	SW.	..	..	1.0	Cu.
	10	20.4	757.25	29.713	58.5	64.3	59.9	.473	57.	91.	SW.	..	..	.8	Cu., Ci.
	11	20.8	757.20	29.708	58.	66.	60.6	.475	57.1	86.2	WSW.	..	..	.4	Cu., Ci-cu.
	12	21.2	756.85	29.693	58.6	68.5	62.6	.505	58.9	85.8	WSW.	..	..	.3	Cu., Ci-cu.
	13	21.6	756.50	29.676	58.1	71.	62.6	.477	57.2	80.	SW.	.2	..	.4	Cu., Ci-cu.
	14	22.4	756.00	29.652	56.3	71.2	62.2	.464	56.4	78.	SSW.	.8	..	.2	Cu.
	15	22.8	755.55	29 636	55.6	71.6	63.5	.499	58.6	77.2	SSW.	1.0	..	..	Cu.
	16	23.2	755 50	29.631	53.8	72.7	62.6	.459	56.1	76.	SSW.	1.2	..	.8	Cu., Ci.
	17	23.5	755.75	29.638	51.8	70.6	61.5	.450	55.5	76.	SSW.	1.7	..	1.0	Cu., N., S.
	18	23.3	755.75	29.639	52.8	69.5	61.6	.465	56.5	79.5	SW.	.2	..	1.0	Cu., S., *SW.*
	19	23.	755.60	29.637	52.8	67.6	60.9	.465	56.5	81.	SW.	..	..	1.0	Cu., S.
	20	22.9	755.85	29.646	54.4	67.6	60.	.439	54.8	81.	W.	..	..	1.0	Cu.
	21	22.8	755.85	29.646	*57.3	64 8	59.5	.457	55.6	87.2	NW.	..	..	1.0	Cu.
	22	22.5	756.85	29.686	54.1	61.5	57.2	.329	46.3	92.9	NW.	1.0	.07	1.0	N., raining.
	23	21.5	756.40	29.674	55.4	58.2	55.5	.320	45.5	98.	NW.	.3	.04	1.0	N., raining.

* Twenty-five minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
24	0	21.3	756.35	29.672	54.1	58.	56.5	.449	55 4	98.	NW.	?	..	.8	Cu.
	1	21.	756.70	29.687	53 8	56.8	55.2	.427	53.9	98.	NW.	?	..	.1	Cu.
	2	20.4	757.00	29.703	53.	56.	54.	.406	52.4	97.	WNW.	?	..	..	Clear.
	3	20.	757.15	29.710	52.	55.	53.	.392	51.4	97.	WNW.	?	..	..	Clear.
	4	19.3	757.75	29.737	50 8	54.2	51.5	.363	49.2	94.	WNW.	?	..	..	Clear.
	5	19.	758.60	29.772	49.8	52.5	50.6	.360	48.9	95.5	WNW.	?	..	..	Clear.
	6	18.7	758.95	29.788	50.3	53.8	51.8	.375	50.1	95.8	W.	?	..	..	Clear.
	7	19.	759.30	29.799	47.6	57.	52.	.344	47.6	86.	W.	?	..	..	Clear.
	8	19.2	759.65	29.812	*42.8	58.7	50.7	.292	42.9	75.	WNW.	?	..	.2	Ci.
	9	18 8	759.35	29.801	47.8	60.4	51.6	.295	43.1	74.5	WNW.	?	..	.4	Ci., Ci-cu., *NW.* by *W.*
	10	19.3	759.25	29.796	†51.8	62.8	52.7	.296	43 2	73.	WNW.	1.0	..	.8	Cu., Ci., Ci-cu., *NW.*
	11	19.5	758.90	29.782	49.3	63.7	53.1	.296	43.2	71.2	WNW.	1 6	..	.9	Ci., Ci-cu., *NW.*
	12	20.1	758.45	29.761	49.8	65.	53.7	.296	43.2	69.	WNW.	2.0	..	.9	Cu., Ci., Ci-cu., *NW.*
	13	20.3	758.00	29.742	49.8	67.9	55.	.297	43.3	66.8	WNW.	2.7	..	.9	Cu., Ci-cu., *NW.* by *W.*
	14	20.7	757.60	29.725	48.3	68.5	56.2	.323	45.8	65.	WNW.	2.7	..	.9	Cu., Ci cu.
	15	....	.....	.....	49.8	70.	56.5	.314	45.	62.7	WNW.	1.3	..	.6	Ci., Cu., Ci-cu.
	16	21.3	757.45	29.716	49.8	68.5	53.2	.245	37.8	59.	WNW.	2.5	..	.9	Ci., Cu., Ci-cu.
	17	21.8	757.15	29.702	41.8	68.	54.	.271	40.7	62.5	WNW.	.3	..	.9	Ci., Ci-cu.
	18	21.7	757.50	29.716	41.8	67.8	55.	.298	43.4	62.5	W.	.1	..	.9	Ci., Cu., Ci cu.
	19	21.5	757.60	29.722	41.8	63.8	53.	.293	42.9	65.5	W.	..	..	.4	Ci., Cu., Ci-cu.
	20	21.	757.80	29.731	42.8	61.	52.	.299	43.5	67.4	WNW.	..	..	..	A few Ci. and Cu.
	21	21.2	758.40	29.754	41.3	58.2	53.	.356	48.6	72.9	WNW.	..	..	..	Clear, Cu.
	22	20.4	758.50	29.762	41.3	58.8	49.9	.272	40.8	71.8	WNW.	..	..	..	Clear, Cu.
	23	19.8	758.85	29.779	40.8	58.6	49.2	.258	39.3	70.5	WNW.	..	..	..	Cu. at Hor.

* Fifteen minutes late. † Thirty minutes late.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
25	0	19.2	758.80	29.779	41.8	57.2	49.6	.283	42.	71.	WNW.	..	..	..	Clear.
	1	18.6	758.40	29.766	36.4	54.5	48.6	.290	42.7	75.	NW.	..	..	..	Cu.
	2	18.1	758.10	29.757	39.6	52.6	48.6	.311	44.7	77.	NW.	..	..	..	Clear.
	*3	17.4	758.05	29.757	38.2	52.1	....	....	....	80.	NW.	..	..	.2	Ci-s.
	4	17.1	758.05	29.760	37.3	51.6	46.5	.274	41.	81.	NW.	..	..	.2	Ci-s., Ci-cu., Ci.
	5	16.5	759.00	29.800	39.8	51.5	46.	.264	40.	82.2	NW.	..	..	.6	Ci-s., fleecy Cu., Ci.
	6	16.5	759.60	29.824	41.8	53.8	47.5	.272	40.8	81.5	NW.	..	..	.8	Ci-cu., Cu., Ci.
	7	16.8	759.80	29.830	41.8	56.5	48.8	.272	40.8	81.	NW.	..	..	.8	Ci.
	8	17.1	760.10	29.840	42.	57.3	49.5	.280	41.6	79.	NW.	.2	..	1.0	Ci., Cu.
	9	17.7	759.85	29.827	47.3	60.5	52.6	.319	45.4	77.2	NW.	.2	..	1.0	Ci-cu., Ci-s.
	10	17.9	760.00	29.832	44.8	61.4	53.1	.322	45.7	77.5	NW.	..	..	1.0	Ci-cu., Ci-s.
	11	18.5	759.90	29.825	47.3	63.7	54.8	.339	47.2	77.	WNW.	..	..	1.0	Ci-cu., Cu.
	12	18.8	760.00	29.827	47.8	63.1	55.	.351	48.2	77.	WNW.	..	..	1.0	Ci cu., Cu.
	13	19.1	759.60	29.810	47.1	65.1	56.1	.358	48.8	77.2	WNW.	..	..	.8	Ci-cu., Cu.
	14	19.8	759.55	29.807	50.8	68.	59.	.405	52.4	76.8	WNW.	..	..	.4	Ci., Cu.
	15	20.2	759.50	29.801	47.3	70.	59.	.383	50.7	74.	W.	..	..	.3	Ci., Cu.
	16	21.	759.20	29.785	48.6	71.1	61.	.428	54.	74.	W.	..	..	.5	Ci., Cu.
	17	21.5	759.45	29.894	48.8	70.9	61.	.430	54.2	73.4	WSW.	..	..	.3	Ci., Ci-cu.
	18	21.8	759.80	29.806	50.8	70.3	61.3	.445	55.2	77.	WSW.	..	..	.2	Ci., Ci-cu.
	19	21.1	759.95	29.815	51.4	64.7	58.	.414	53.	84.	WSW.	..	..	.3	Ci., Ci-cu.
	20	21.1	760.15	29.823	53.8	61.1	56.7	.420	53.5	90.	SW.	..	..	.1	Ci., Cu.
	21	21.5	760.95	29.854	54.3	58.5	55.	.403	52.2	91.	SW.	..	..	..	Cu. at Hor.
	22	21.1	710.25	29.866	51.8	57.6	54.2	.393	51.5	92.5	SW.	..	..	..	Clear.
	23	19.5	710.25	29.874	51.8	57.5	55.	.314	45.	95.5	SE.	..	..	..	Clear.

* Twenty minutes late.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Thermometers, Fah. Dew point.	Dry.	Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
26	*0	19.4	761.25	29.874	....	53.	51.5	.365	49.3	98.	ENE.	..	..	..	Clear.
	1	19.	761.00	29.866	48.	52.5	51.	.369	49.7	98.5	ENE.	..	..	..	Clear.
	2	18.4	761.00	29.869	51.	51.4	50.7	.374	50.	100.	ENE.	..	..	..	Cu.
	3	17.7	761.20	29.880	49.4	52.	50.9	.373	50.	98.	ENE.	..	..	.1	Cu.
	4	18.9	762.00	29.905	48.8	53.8	51.	.355	48.5	93.	ENE.	..	..	.4	Ci-cu.
	5	21.3	763.20	29.941	49.8	52.8	51.	.366	49.4	92.6	ENE.	..	..	.8	Ci-cu, Cu.
	6	23.4	763.10	29.927	49.5	53 8	52.	.380	50.5	97.	ENE.	..	.02	1.0	N., raining.
	7	23.	763.55	29.947	52.6	55.6	54.	.410	52.7	97.2	E.	..	..	1.0	Cu., Cu-s.
	8	21.8	763.50	29.951	54.1	62.5	59.6	.472	56.9	94.	E.	..	..	1.0	Cu., Cu s.
	9	23.4	763.60	29.947	54.	61.6	58.2	.455	55.8	93.5	E.	..	..	1.0	Cu., Cu-s.
	10	22.9	763.60	29.950	56.3	61.4	59.2	.484	57 7	96.	ENE.	..	.01	1.0	Cu., Cu-s.
	11	23.2	763.25	29.933	54.8	65.4	61.2	.497	58.5	92.	E.	..	..	1.0	Cu., Cu s.
	12	23.1	763.10	29.929	56.1	67.2	61.2	.497	58.5	87.	E.	..	..	1.0	Cu., Cu s.
	13	23.1	763.00	29.925	54.3	67.	62.	.503	58.8	90.	E.	..	..	1.0	Cu., Cu-s.
	14	23.4	762.75	29.914	51.8	71.	63.	.488	57.9	83.	SSE.	.7	..	1.0	Cu., Cu s.
	15	23 4	762.25	29.894	53.6	68.3	59.6	.419	53.4	86.	SSE.	.8	..	1.0	Cu., Cu-s.
	16	23.1	762.00	29.886	....	....	....	....	....	....	SE.	1.5	..	1.0	Cu., Cu-s.
	17	22.5	761.75	29.879	50.8	64.4	58.	.417	53.2	84.	SSE.	1.8	..	1.0	Cu., Cu-s.
	18	22.2	761.75	29.880	51.8	63.	57.4	.417	53.2	85.5	SSE.	1.8	..	1.0	Cu., Cu-s.
	19	21.5	762.50	29.914	50.8	60.7	56.6	.421	53.5	90.	SSE.	1.6	..	1.0	Cu., Cu-s.
	20	21.5	762.50	29.914	51.6	59.2	55.	.395	51.6	90.5	SSE.	1.0	..	1.0	Cu., Cu-s.
	21	20.	762.95	29.938	48.8	58.5	54.5	.390	51.3	91.	SSE.	.3	..	1.0	Cu., Cu-s.
	22	20.5	762.90	29.933	49.8	55.	54.5	.396	51.7	93.	SSE.	..	..	1.0	N., Cu-s.
	23	20.5	762.35	29.911	51.8	57.5	54.5	.401	52.1	94.	SSE.	..	..	1.0	N., raining.

* Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
27	0	20.	761.10	29.865	53.8	56.5	54.5	.413	53.	97.	SE.	.2	..	1.0	N., raining.
	1	19.	759.45	29.805	53.8	55.5	54.	.411	52.8	98.	SE.	.7	.05	1.0	N., raining.
	2	19.	759.45	29.805	51.8	55.5	54.	.411	52.8	98.	SE.	..	.02	1.0	N., raining.
	3	19.	759.00	29.787	52.4	55.2	53 7	.411	52.8	99.	SE.	..	.04	1.0	Cu., Cu-s.
	4	19.	758.80	29.780	54.	55.	53.5	.404	52.3	97.5	SE.	..	..	1.0	Ci-s., Cu-s.
	5	18.6	758.85	29.784	52.3	54.1	53.1	.414	53.	98.	SE.	..	..	1.0	N.,? Cu-s.
	6	18.5	759.20	29.797	51.6	54.2	53.3	.408	52.6	101.	E.	..	..	1.0	N.,? Cu-s.
	7	18.4	759.50	29.810	53.	54.7	54.	.420	53.5	102.	ENE.	..	..	1.0	N., drizzling, Cu-s.
	8	18.	759.75	29.822	53.5	54.8	54.	.419	53.4	102.	ENE.	..	..	1.0	N., drizzling.
	9	18.1	759.60	29.816	54.3	56.7	55.7	.442	55.	100.	ENE.	..	..	1.0	S., mist.
	10	18.2	759.55	29.812	55.8	58.3	56.5	.445	55.2	98.3	ENE.	..	..	1.0	S.
	11	18.5	759.70	29.817	54.8	59.	57.	.451	55.6	97.	NE.	..	..	1.0	S.
	12	18.8	759.40	29.803	54.8	61.	57.9	.453	55.7	95.	NNE.	..	..	1.0	
	13	19.4	759.05	29.787	56.3	63.5	59.6	.472	56.9	93.	N.	..	..	.8	Cu., *NW.* by *W.*
	14	20.	759.15	29.788	57.6	65.8	61.	.487	57.9	91.2	NE.	..	..	.4	Cu., Ci-cu.
	15	20.3	758.90	29.778	56.	65.5	60.7	.482	57.5	90.8	ENE.	..	..	1.0	Cu.
	16	20.5	758.75	29.770	53.8	63.1	59.1	.463	56.3	93.1	ENE.	..	..	.9	Cu.
	17	20.5	759.30	29.791	53.6	62.6	59.	.466	56.5	93.5	ENE.	..	..	.9	Cu.
	18	19.2	759.35	29.800	54.6	62.6	58.	.438	54.7	92.	ENE.	..	..	.4	Cu., Ci.
	19	19.4	759.50	29.805	53.8	58.1	54.5	.395	51.6	96.2	ENE.	..	..	.9	Cu., *NW.* by *W.*
	20	19.2	760 30	29.838	51.8	56.	54.1	.408	52.6	98.	E.	..	..	1.0	Cu.
	21	19.1	760.85	29.860	51.9	54.5	53.	.397	51.8	98.	E.	..	..	1.0	Overcast.
	22	18.5	761.35	29.883	50.8	53.	52.5	.401	52.1	98.	E.	..	..	1.0	Overcast.
	23	18.2	761 55	29.891	50.8	52.8	51.5	.378	50.4	99.	E.	..	..	1.0	Overcast.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
29	0	17.5	758.25	29.765	55.8	57.9	57.2	.468	56.7	98.7	SSW.	..	..	1.0	N., raining.
	1	17.7	757.15	29.721	56.	57.5	56 9	.465	52.4	98.7	SSW.	..	..	1.0	N., raining.
	2	17.6	756.55	29.698	....	57.	56.5	.460	56.1	98.7	SSW.	.4	..	1.0	N., raining.
	3	16.7	756.55	29.702	45.8	51.5	49.9	.354	48.4	97.	SE.	1.0	..	1.0	N., raining.
	4	16.	756.00	29.683	45.8	49.	48.	.338	47.1	97.	ENE.	.2	..	1.0	N., raining.
	5	15.4	755.50	29.670	46.8	49.	48.1	.339	47 2	96.	ENE.	2.0	..	1.0	N., raining.
	6	15.	755.35	29.665	46.8	49.4	48.4	.343	47.5	98.	ENE.	1.0	..	1.0	N., raining.
	7	14.6	755.25	29.662	47.3	49.4	48.4	.343	47.5	98.	ENE.	1.2	..	1.0	N., raining.
	8	14.5	755.50	29.673	47.8	49.5	48.7	.348	47.9	98.2	ENE.	1.4	..	1.0	N., raining.
	9	14.1	755.05	29.657	47.8	50.	48.9	.348	47.9	98.3	ENE.	1.7	..	1.0	N., raining.
	10	14.7	755.80	29.683	47.7	49.5	48.5	.344	47.6	96.4	ENE.	2.0	..	1.0	N., raining.
	11	15.9	756.00	29.684	46.4	49.6	48.	.331	46.5	96.1	ENE.	2.3	..	1.0	N., raining.
	12	17.9	756.25	29.685	45.4	50.6	47.7	.313	44.9	92.7	ENE.	3.0	..	1.0	S., Cu, *ENE.*
	13	20.4	756.10	29.667	45.8	51.6	48.7	.325	45.9	92.9	ENE.	1.5	..	1.0	S., Cu.
	14	23.	756.15	29.656	47.	54.	50.8	.348	47.9	91.7	ENE.	1.0	..	1.0	S., Cu.
	15	24.7	756.50	29.662	*40.3	53.5	48.5	.299	43.5	....	ENE.	1.5	..	1.0	S., Cu.
	16	25.4	756.50	29.659	44.2	53.	49.4	.326	46.	88.7	ENE.	2.7	..	1.0	N., raining.
	17	26.	756.25	29.645	43.8	53.	50.1	.343	47.5	92.	ENE.	..	..	1.0	N., raining.
	18	25.2	756.65	29.665	45.7	52.5	50.6	.360	48.9	94.4	NE.	..	..	1.0	S., Cu.
	19	24.6	756.00	29.642	45.8	52.1	49.6	.340	47.3	92.2	ENE.	..	..	1.0	S., Cu.
	20	23.9	756.95	29.683	44.8	52.4	49.2	.327	46.1	91.9	N.	..	..	1.0	Overcast.
	21	23.8	756.95	29.683	44.2	51.5	48.5	.321	45.6	91.8	NW.	..	..	1.0	Overcast.
	22	23.3	756.70	29.676	45.8	51.5	48.	.310	44.6	91.	N.	..	..	1.0	N.
	23	22.9	756.65	29.677	45.6	51.3	48.5	.324	45 9	92.2	N.	..	.87	1.0	N., raining.

* Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
30	0	23.2	756.45	29.666	45.6	51.1	48.6	.328	46.2	93.	N.	..	..	1.0	Overcast.
	1	23.4	756.35	29.662	45.5	51.	48.5	.329	46.3	95.	NNW.	..	..	.9	Cu., Cu-s.
	2	22.8	755.85	29.646	45.6	51.	48.6	.329	46.3	94.	NNW.	..	..	.8	Cu., Cu-s.
	3	22.3	756.00	29.653	44.6	50.2	47.5	.313	44.9	94.	NNW.	..	..	.3	Cu., Cu s.
	4	21.	756.25	29.669	45.2	50.	47.6	.317	45.2	95.	NNW.	..	..	.8	Cu., Ci.
	5	21.1	756.35	29.673	45.8	50.5	47.2	.302	43.8	93.	NNW.	..	..	.9	Ci-cu., Cu-s.
	6	19.6	756.50	29.686	....	51.5	47.7	.302	43.8	90.6	NNW.	..	..	.1	Ci-cu.
	7	20.2	756.75	29.693	46.8	54.	49.	.305	44.1	....	NNW.	..	..	..	Clear.
	8	21.3	757.10	29.702	46.8	56.6	51.	.323	45.8	84.	NNW.	..	..	.4	Ci., Ci-s.
	9	22.	757.40	29.711	50.2	60.	52.7	.327	46.1	81.	NNW.	..	..	1.0	Ci-s.
	10	22.5	757.50	29.712	48.7	62.2	54.1	.338	47.1	76.7	NNW.	..	..	.9	Cu., Ci s.
	11	23.	757.15	29.696	44.8	63.	53.6	.318	45.3	71.9	NNW.	..	..	.8	Cu., Ci s.
	12	22.6	756.70	29.680	47.5	65.	54.	.307	44.3	69.1	NNW.	..	..	.6	Cu., Ci-s.
	13	23.5	756.60	29.671	47.3	65.9	54.7	.315	45.	68.	NNW.	..	..	.5	Cu., Ci-s.
	14	24.	756.40	29.661	48.3	67.	54.9	.308	44.4	66.6	NW.	..	..	.5	Cu.
	15	23.2	756.10	29.652	47.3	68.7	59.6	.416	53.2	68.2	NW.	..	..	.5	Cu.
	16	24.1	755.70	29.633	46.	68.	59.	.407	52.5	68.2	WNW.	..	..	.4	Cu.
	17	25.	755.55	29.625	46.1	68.2	56.5	.336	46.9	65.4	W.	..	..	.3	Cu.
	18	24.4	755.45	29.624	44.8	67.3	57.1	.363	49.2	69.2	WNW.	..	..	..	Cu. at Hor.
	19	24.4	755.20	29.614	45.6	63.1	56.2	.398	51.7	74.1	WNW.	..	..	.1	Cu., S.
	20	23.3	755.15	29.617	45.6	58.8	53.8	.370	49.8	89.3	W.	..	..	..	Cu. at Hor.
	21	23.4	754.95	29.610	47.8	57.	53.3	.377	50.3	89.7	WSW.	..	..	..	Cu. at Hor.
	22	22.5	754.60	29.600	46.	55.5	53.6	.401	52.1	92.8	WSW.	..	..	.1	Cu.
	23	21.6	753.85	29.574	47.8	55.	52.1	.369	49.6	93.	WSW.	..	..	..	Cu. in W.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature. centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
31	0	20.9	753.30	29.556	48.8	54.5	51.5	.360	48.9	93.3	SW.	..	..	.1	Cu., Cu-s.
	1	20.3	752.55	29.530	48.4	56.1	52.2	.359	48.8	91.5	WSW.	..	..	1.0	Cu.
	2	19.8	752.35	29.525	47.8	57.4	52.	.341	47.4	88.	WSW.	..	..	.8	Cu.
	3	19.	752.35	29.528	48.2	57.5	52.7	.356	48.6	89.	WSW.	.4	..	.9	Cu.
	4	19.	752.60	29.538	49.1	57.	53.	.370	49.7	91.	W.	..	..	.9	Cu., Ci cu.
	5	19.	753.30	29.565	47.	55.5	48.6	.280	41.6	83.6	NNW.	.4	..	.8	Cu-s., Ci-cu.
	6	18.6	754.20	29.603	43.8	53.2	48.1	.293	42.9	86.3	NNW.	.4	..	1.0	Cu., S., *W.*
	7	18.	754.70	29.625	42.6	52.	47.2	.285	42.1	87.9	NNW.	.4	..	.9	Ci., Ci-cu., Ci-s.
	8	17.5	755.00	29.639	42.3	52.1	46.	.258	39.3	83.6	N.	1.0	..	.9	Ci., Cu.
	9	17.2	755.35	29.651	43.5	53.1	47.2	.273	40.9	83.	N.	.8	..	1.0	Cu., S.
	10	17.2	755.50	29.660	41.9	53.8	46.5	.249	38.3	80.1	N.	.5	..	1.0	Cu., S.
	11	17.3	756.00	29.677	41.5	54.	46.6	.249	38.3	79.3	N.	.8	..	1.0	Cu., S.
	12	17.2	756.15	29.683	40.6	54.9	47.4	.258	39.3	78.9	NNW.	.8	..	1.0	Cu., S.
	13	17.1	756.25	29.689	40.6	55.	45.5	.214	34.	76.	NNW.	..	..	1.0	Cu., S.
	14	17.1	756.50	29.698	40.	55.3	46.6	.235	36.7	74.	NNW.	.05	..	1.0	Cu., S.
	15	17.1	756.55	29.700	39.8	56.	47.5	.248	38.2	73.	NNW.	..	..	1.0	Cu., S.
	16	17.2	756.45	29.694	42.6	57.	48.9	.269	40.5	75.	NNW.	..	..	1.0	Cu., S.
	17	17.5	756.15	29.682	40.8	57.	49.4	.281	41.9	75.2	NNW.	..	..	1.0	Cu., S.
	18	17.4	756.55	29.698	42.7	57.1	50.4	.303	43.9	77.8	NW.	..	..	1.0	Cu , S.
	19	17.9	756.70	29.703	39.6	54.3	47.3	.262	39.8	77.	NW.	..	..	1.0	Cu., S.
	20	16.7	757.05	29.720	38.8	51.3	45.8	.261	39.7	81.4	NW.	..	..	1.0	Cu., S.
	21	16.4	757.35	29.736	39.7	51.	46.	.270	40.6	83.6	NW.	..	..	.9	Cu., S.
	22	16.2	758.00	29.762	42.1	50.4	45.6	.267	40.3	85.9	NW.	..	..	1.0	Cu., overcast.
	23	16.7	758.40	29.774	41.6	49.	45.1	.272	40.8	88.	NW.	.8	..	1.0	Cu., S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
1	0	18.5	758.70	29.778	41.8	48.2	45.	.278	41.4	91.	NNW.	..	..	1.0	Cu., Cu-s.
	1	20.9	759.25	29.788	41.7	47.5	44.6	.278	41.4	92.	NNW.	..	..	.4	Cu., Cu-s.
	2	22.	759.50	29.793	40.2	45.5	43.	.265	40.1	94.	NNW.	..	..	.2	Cu., S.
	3	21.	759.60	29.801	39.4	44.3	42.	.257	39.2	95.5	N.	..	..	.4	Cu.
	4	21.4	760.00	29.816	38.8	44.5	42.	.255	39.	96.5	NNW.	..	..	.9	Cu., Cu-s.
	5	20.7	760.40	29.835	36.3	43.	39.1	.212	33.7	89.6	NNW.	..	..	.1	Ci., Ci-s.
	6	21.	761.50	29.856	36.8	44.7	40.	.211	33.6	87.3	NNW.	..	..	.1	Ci-cu., Ci-s.
	7	21.1	761.50	29.876	....	47.	41.3	.213	33.9	83.4	NNW.	..	..	.2	Ci cu.
	8	21.7	762.00	29.892	36.3	48.5	41.5	.201	32.2	78.3	NNW.	..	..	.4	Ci cu.
	9	21.5	762.30	29.906	*38.	49.5	42.	.199	31.9	76.1	NW.	.1	..	.5	Heavy Cu., *WNW.*
	10	21.4	762.50	29.914	39 6	50.9	43.	.204	32.6	76.	NW.	.4	..	.5	Heavy Cu., *WNW.*
	11	21.2	762.80	29.927	40.2	50.5	43.	.209	33.3	76.9	NW.	.3	..	.9	Heavy Cu., *WNW.*
	12	21.	762.85	29.929	39.8	52.5	45.1	.233	36.4	77.	WNW.	.4	..	.8	Heavy Cu., *WNW.*
	13	20.8	763.00	29.935	38.	53.4	44.5	.209	33.3	72.6	NW.	1.0	..	.7	Heavy Cu., *WNW.*
	14	20.4	763.10	29.942	37.6	53.2	44.4	.209	33.3	72.	NW.	1.4	..	.8	Heavy Cu., *WNW.*
	15	21.3	763.40	29.949	....	53.7	45.	.217	34.4	71.9	NW.	.9	..	.7	Cu.
	16	22.9	764.00	29.966	....	52.5	43.5	.198	31.8	71.	NW.	.7	..	.9	Cu.
	17	23.4	764.40	29.979	....	51.8	44.6	.229	35.9	70.9	NW.	.7	..	.9	Cu.
	18	24.1	765.05	30.000	....	52.	43.9	.212	33.7	69.9	NW.	.6	..	.4	Cu., Ci-cu.
	19	23.7	765.50	30.021	....	50.1	42.8	.209	33.3	71.	NW.	..	..	.9	Cu., Ci-cu., *SW.*
	20	21.7	766.15	30.056	31.8	47.	42.	.226	35.5	75.5	NW.	..	..	..	A few Cu. to *N.*
	21	22.3	767.30	30.098	31.8	45.4	40.5	.213	33.9	77.8	NW.	..	..	..	Clear.
	22	22.5	767.40	30.101	31.7	45.	39.2	.191	30.8	76.5	NW.	..	..	..	Clear.
	23	22.8	767.55	30.106	30.	43.6	38.8	.198	31.8	77 9	NW.	..	..	..	Clear.

* Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
2	0	22.6	767.85	30.119	26.8	42.4	38.2	.200	32.1	80.	NW.	..	..	..	Clear.
	1	21.8	767.85	30.123	27.6	38.9	36 4	.205	32.8	89.4	NW.	..	..	..	Clear.
	2	20.3	767.50	30.116	25.8	38.	35.7	.201	32.2	90.6	NW.	..	..	..	Clear.
	3	20.	767 85	30.131	26.	36.	34.5	.201	32.2	96.5	NW.	..	..	..	Clear.
	4	19.2	768 10	30.145	25.2	35.8	34.3	.199	32.	96.8	NW.	..	..	..	Clear.
	5	18.6	768.75	30.172	31.4	36.1	34.2	.193	31.1	....	NW.	..	..	..	Ci., Ci-cu.
	6	18.6	769.25	30.191	34.6	41.5	38.2	.210	33.4	90.	NW.	..	..	..	Clear.
	7	18.2	769.50	30.203	34.8	47.5	41.	.200	32.1	81.6	NW.	.	..	..	Clear.
	8	18.4	769.65	30.208	32.6	49.7	42.2	.200	32 1	75.2	WNW.	..	..	.1	Ci.
	9	19.5	769.50	30.197	35.2	52.5	44.5	.218	34.5	74.	WNW.	..	..	..	Clear.
	10	21.	769.35	30.184	37.8	53.	45.	.223	35.2	72.8	W.	..	..	..	Clear.
	11	23.2	769.10	30.162	39.9	55.2	46.2	.225	35.4	72.9	W.	..	..	..	Clear.
	12	21.	768.15	30.139	41.8	58.5	50.6	.292	43.7	74.5	W.	.1	..	..	Clear.
	13	25.	768.00	30.113	41.5	60.5	52.5	.317	45.2	77.	SW.	.15	..	..	Clear.
	14	25.2	767.40	30.088	42.2	62.4	53.5	.321	45.6	75.9	SW.	.6	..	..	Hazy, a few Cu. at Hor.
	15	24.5	766.75	30.065	42.2	62.4	53.4	.318	45.3	75.8	SW.	.7	..	1.0	Hazy.
	16	23.8	766.25	30.049	41.6	64.2	54.8	.334	46.8	75.2	WSW.	.9	..	1.0	Hazy.
	17	23.	765.40	30.020	43.1	62.5	53.	.308	44.4	77.8	WSW.	.8	..	1.0	Hazy.
	18	22.5	765.20	30.014	....	61.8	53.4	.325	45.9	76.9	WSW.	.3	..	1.0	Hazy.
	19	21.8	765.10	30.014	45.8	57.1	53.	.368	49.6	86.2	SSW.	.3	..	1.0	Hazy.
	20	20.8	764.50	29.995	44.8	54 1	50.5	.340	47.3	91.	SSW.	..	..	..	Hazy.
	21	20.2	764.60	30.002	46.1	53.	50.5	.352	48.3	94.1	SSW.	..	..	..	Clear.
	22	19.7	764.40	29.997	49.6	53.1	50.7	.355	48.5	96.9	SSW.	..	..	..	Clear.
	23	19.1	763.95	29.981	48.8	54.5	51.1	.350	48 1	92.	SW.	..	..	.3	Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
3	0	18.9	763.15	29.950	49.8	55.6	52.7	.377	50.3	94.5	SW.	..	..	.2	Cu.
	1	18.5	762.10	29.911	50.	54.5	52.5	.385	50.9	97.4	SW.	..	..	..	Clear.
	2	18.5	761.65	29.894	50.6	53.7	52.4	.390	51.3	100.	SW.	..	..	..	Clear.
	3	20.	761.15	29.867	51.8	54.9	53.5	.405	52.4	100.	SW.	..	..	.8	S., Cu-s.
	4	22.7	760.85	29.843	53.8	56.2	55.	.429	54.1	100.	SW.	..	..	..	S., Cu-s.
	5	24.5	761.	29.840	....	58 2	56.	.433	54.4	100.	SW.	..	..	1.0	Cu.
	6	24.4	760.75	29.831	*57.8	59.7	58.4	.481	57.5	95.	SW.	..	..	.8	Cu., Ci-cu.
	7	23.3	760.	29.806	58.4	63.8	60.8	.503	58.8	95.5	WSW.	1.0	..	.9	Cu., Ci-cu.
	8	24.5	759.70	29.789	†61.8	67.8	63.5	.541	61.	90.	WSW.	5.0	..	.6	Cu., Ci-cu.
	9	26.9	759.70	29.777	63.3	70.5	65.	.556	61.8	87.1	WSW.	5.0	..	.1	Cu.
	10	28.2	759.55	29.766	64.6	72.6	66.9	.594	63.8	86.8	WSW.	4.7	..	.3	Cu., Ci-cu.
	11	28.2	759.50	29.764	63.2	73.5	66 5	.571	62.6	85.5	WSW.	4.7	..	1.0	Hazy, Cu., Ci-cu.
	12	27.7	759.	29.745	63.6	75.	67.5	.587	63.4	85.	WSW.	5.0	..	1.0	Hazy, Cu., Ci-cu.
	13	27.3	758 05	29.728	62.8	75.	67.3	.581	63.2	83.2	WSW.	4.8	..	1.0	Cu.
	14	26.9	757.75	29.701	62 4	74.7	67 5	.591	63.7	84.5	WSW.	2.5	..	1.0	Cu.
	15	26.4	759.50	29.772	†60.8	64.3	61.1	.508	59.1	96.	NW.	2.3	.21	1.0	N., thunder storm.
	16	25.7	758.50	29.736	62.	64.6	62.5	.545	61.2	98.2	WNW.	..	.11	1.0	Cu.
	17	25.5	758.35	29.730	*61.8	65.	63.	.556	61.8	98.	W.	..	..	1.0	Cu.
	18	25.1	758.75	29.749	62.1	66.	64.1	.578	62.4	98.5	W.	..	..	1.0	Cu.
	19	23.2	759.10	29.770	61.8	65.2	63.6	.573	62.7	98.5	SSW.	..	..	1.0	Cu.
	20	23.	759.60	29.792	61.8	64.7	63.6	.577	63.	99.	W.	..	..	1.0	Cu.
	21	23.6	759.80	29.797	60.8	63.3	62.2	.551	61.6	99.	WSW.	..	..	.2	Cu.
	22	23.5	759.85	29.799	60.1	62.	61.	.530	60.4	99.	WSW.	..	..	.1	Cu.
	23	22.1	759.85	29.807	59.8	60.6	59.5	.503	58.8	99.	WSW.	..	..	..	Clear.

* Thirty minutes late. † Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., degrees.	Force, lbs.			
5	0	21.7	756.55	29.664	65.6	68.4	66.5	.627	65.5	97.	SSW.	..	..	1.0	Cu.
	1	24.4	756.15	29.615	65.8	68.4	66.5	.627	65.5	98.	SSW.	..	..	1.0	Cu.
	2	24.3	756.00	29.613	64.	68.2	66.2	.620	65.1	98.	SSW.	..	..	1.0	Cu.
	3	24.7	755.85	29.637	62.8	69.2	66.5	.618	65.	98.2	SSW.	..	..	.8	Cu.
	4	24.5	756.30	29.655	63.8	68.5	66.	.611	64.7	97.	SW.	..	..	1.0	Cu., Cu-s.
	5	24.2	756.50	29.661	66.6	68.2	66.	.614	64.8	98.	SW.	..	..	1.0	Ci-cu.
	6	24.1	756.80	29.676	65.8	68.8	66.7	.630	65.6	98.	SW.	..	..	.9	Ci-cu., Ci.
	7	24.3	757.10	29.687	66.3	71.4	68.4	.657	66.9	95.5	SW.	..	..	1.0	Ci-cu., Ci.
	8	21.3	757.25	29.693	66.6	72.7	68.8	.656	66.8	94.	SW.	.5	..	1.0	Ci-cu., Ci.
	9	24.	756.95	29.682	67.3	73.7	69.6	.673	67.6	93.	SW.	.1	..	1.0	Ci-cu., Cu.
	10	24.8	757 00	29.682	67.8	75.2	70.4	.683	68.1	91.3	SW.	..	..	.7	Ci., Cu.
	11	25.3	756.80	29.671	70.	77.	72.7	.746	70 8	91.8	SW.	..	..	.3	Ci , Ci-cu.
	12	26.9	756.55	29.653	71.8	79.5	75.3	.741	70.6	89.	SW.	..	..	.1	Ci., Ci-cu.
	13	26.7	756.35	20.646	71.9	82.	75.1	.781	72.2	87.5	SW.	.1	..	.1	Ci., Ci cu.
	14	28.4	756.35	29.638	69.3	82.7	73.8	.724	69.9	83.2	SW.	.4	..	.2	Cu., Ci-cu.
	15	28.9	756.30	29.633	69.3	83.5	74.	.722	69.8	80.8	SW.	1.	..	.1	Cu.
	16	28.9	756.00	29.621	69.6	84.5	75.8	.780	72.2	81.5	SW.	.5	..	.1	Cu.
	17	29.	755.20	29.593	69.6	84.2	75.5	.772	71.9	84.4	SW.	.5	..	.1	Cu.
	18	29.1	755.20	29.592	69.5	82.4	74.9	.748	71.2	84.2	SW.	.6	..	.1	Cu., S.
	19	28.	754.75	29.580	67.8	78.8	72.1	.704	69.	85.9	SSW.	.1	..	.5	Cu., S.
	20	28.	754.80	20.582	66.1	76.	70.1	.664	67.2	88.	SSW.	..	..	.1	Cu.
	21	28.	756.95	29.674	67.6	75.2	69.5	.652	66.7	90.7	SSW.	..	..	.9	Cu.
	22	27.5	757.60	29.692	62.1	71.8	65.8	.568	62.5	88.	WNW.	2.0	..	1.0	N., raining.
	23	26.9	757.25	29.681	65.6	67.5	65.8	.615	64.9	98.5	WNW.	.1	.30	1.0	N., thunder storm.

DAILY METEOROLOGICAL OBSERVATIONS.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Observed height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapour, mm.	Calculated dew pt.	Hygr. Evaporation.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky, cumul., &c.	Clouds, and direction of their strata.
6	0	26.2	757.35	29.840	63.N	66.N	65.8	.003	61.8	0.4	NW.			10	N., cumulus
	1	25.4	756.30	29.851	63.N	66.1	65.	.005	64.4	0.6	NW.			8	Cirr., Cirr.
	2	25.2	756.35	29.853	63.	66.6	64.7	.005	64.1	0.7	NW.			6	Cirr.
	3	24.8	756.70	29.831	60.6	65.6	64.6	.003	63.7	0.6	NW.			6	Cirr., cumulus
	4	24.7	756.60	29.832	60.N	65.6	64.2	.007	63.6	0.6	WNW.			4	Cirr. = Cirr., cumulus
	5	24.5	757.15	29.883	63.3	65.7	64.3	.006	63.4	0.7	WNW.			4	Cirr., cumulus
	6	23.7	757.00	29.707	64.2	67.N	65.6	.006	64.4	0.7	NW.			0	N., cumulus
	7	23.6	758.10	29.730	64.6	66.1	65.9	.013	64.7	0.7	NW.			0	Cirr., cumulus
	8	23.6	758.20	29.734	66.	68.3	66.6	.020	66.0	0.8	W.			0	Cirr., cumulus
	9	23.5	759.00	29.765	63.7	69.7	65.7	.008	63.6	0.9	WNW.			0	N., cumulus
	10	23.1	759.20	29.770	62.N	68.4	63.N	.008	61.1	0.9	WNW.			0	Cirr., cumulus
	11	23.6	759.45	29.783	62.N	67.6	63.4	.041	61.	0.8	WNW.			0	Cirr., cumulus
	12	23.8	759.80	29.795	*62.0	68.6	63.6	.016	60.7	0.8	NW.			0	Cirr., cumulus
	13	24.	759.60	29.786	60.9	71.3	63.9	.021	57.6	0.8	NW.			4	N., cumulus
	14	24.2	759.80	29.791	57.9	72.N	63.N	.004	56.3	0.8	WNW.			10	Cirr., cumulus
	15	24.3	760.35	29.815	55.	71.6	61.7	.003	56.	0.8	WNW.			10	Cirr., cumulus
	16	24.7	760.60	29.824	54.4	72.2	61.7	.006	54.6	0.8	WNW.			6	Cirr., cumulus
	17	25.	760.95	29.838	51.4	72.	61.	.006	53.2	0.8	WNW.			4	Cirr., cumulus
	18	21.5	761.00	29.840	51.4	*67.N	*57.6	.006	49.4	0.8	WNW.			6	Cirr., cumulus
	19	21.	761.75	29.874	48.4	66.6	56.N	.004	51.6	0.9	NW.			6	Cirr., cumulus
	20	23.9	762.30	29.893	50.4	67.6	58.9	.006	51.6	0.9	NW.			4	Cirr., cumulus
	21	23.2	762.65	29.940	50.N	69.	58.4	.006	52.4	0.9	NW.			4	Cirr., cumulus
	22	22.4	764.20	29.975	50.4	68.6	58.7	.006	52.7	0.9	NW.			4	Cirr., cumulus
	23	22.5	764.25	29.977	50.8	70.	59.N	.007	53.N	0.9	NW.			4	Cirr., cumulus

* Forty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
7	0	21.8	764.25	29.981	50.2	59.2	53.8	.365	49.3	97.7	NW.	..	..	..	Ci.
	1	21.	764.50	29.994	50.7	57.2	53.5	.380	50.5	98.2	NNW.	..	..	..	Clear.
	2	21.	764.70	30.102	49.8	55.	52.	.366	49.4	93.4	NNW.	..	..	..	Clear.
	3	20.3	765.00	30.017	49.9	53.3	50.6	.351	48.2	95.	NNW.	..	..	..	Clear.
	4	19.7	765.25	30.030	*48.4	52.5	50.	.345	47.7	96.	NNW.	..	..	.1	Ci s.
	5	19.	766.00	30.063	48.8	52.7	50.3	.350	48.1	96.4	NNW.	..	..	.1	Cu-s., Ci-cu.
	6	18.9	766.65	30.089	50.4	55.2	52.2	.368	49.7	96.3	N.	..	..	..	Ci-cu.
	7	19.	767.70	30.130	50.9	57.7	52.6	.351	48.2	88.	N.	.2	..	.1	Ci-cu.
	8	19.4	768.30	30.152	51.2	59.6	54.1	.367	49.5	85.4	N.	.1	..	.1	Ci-s., Ci cu.
	9	19.8	768.75	30.166	51.4	61.1	54.6	.364	49.3	83.1	N.	.1	..	..	Cu.
	10	20.2	768.65	30.160	49.9	62.5	55.4	.368	49.7	81.2	N.	..	..	..	Cu.
	11	20.5	768.40	30.149	49.2	64.	56.5	.381	50.7	80.	NNW.	..	..	..	Cu.
	12	20.7	768.55	30.155	49.7	65.5	57.7	.398	51.9	79.9	N.	..	..	.1	Cu., *WNW.*
	13	21.2	768.55	30.152	52.7	67.1	60.3	.452	55.7	80.5	NNW.	..	..	.2	Cu.
	14	21.9	768.75	30.156	54.4	70.4	63.5	.511	59.3	80.9	N. to S.	..	..	.3	Cu., Ci-cu.
	15	21.9	768.40	30.142	52.8	70.6	63.1	.496	58.4	81.2	S.	..	..	.2	Ci., Cu., Ci cu.
	16	23.	768.30	30.135	53.9	71.4	64.9	.540	61.	78.5	SSW.	..	..	.1	Ci., Cu., Ci cu.
	17	23.6	768.40	30.134	51.4	71.	62.3	.468	56.7	77.8	SW.	..	..	.1	Cu.
	18	23.7	768.40	30.134	50.9	70.7	62.7	.482	57.5	78.1	SW.	..	..	.5	Cu.
	19	23.7	768.80	30.150	50.9	67.5	62.	.497	58.5	87.5	SW.	..	..	.4	Ci., Cu., Ci-cu.
	20	23.	769.40	30.178	52.1	61.3	57.3	.433	54.4	90.8	S.	.1	..	.1	Cu., Ci cu.
	21	22.7	769.85	30.195	51.2	58.6	55.3	.410	52.7	92.3	SSW.	..	..	.1	Cu., S.
	22	21.9	770.05	30.206	50.4	57.3	54.8	.411	52.8	95.	SSW.	..	..	.3	Cu., S.
	23	21.4	769.90	30.204	50.7	56.5	54.2	.405	52.4	96.4	SSW.	..	..	.9	Cu., Ci.

* Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
8	0	20.9	769.65	30.197	53.4	55.4	53.4	.397	51.8	98.	SSW.	..	..	.9	Ci cu.
	1	20.6	769.30	30.184	50.8	54.8	53.5	.406	52.4	100.	SSW.	..	..	.3	Cu., Ci-cu , Cu s.
	2	20.3	769.25	30.183	52.4	53.5	52.5	.396	51.7	99.4	SSW.	..	..	.2	Cu.
	3	20.1	768.75	30.165	51.4	54.	53.	.402	52.2	100.	SSW.	..	..	.4	Cu.
	4	19.6	768.75	30.167	51.2	56.	54.8	.426	53.9	100.	SSW.	..	..	.1	Cu., Cu s., Ci cu.
	5	19.4	768.75	30.168	53.4	57.1	55.6	.434	54.4	99.	SSW.	..	..	1.0	Cu., Cu s., N., raining.
	6	19.2	769.00	30.179	54.4	58.2	56.8	.454	55.8	99.	SSW.	..	.01	1.0	Cu , Cu-s.
	7	19.	769.10	30.184	55.2	59.2	57.7	.468	56.7	99.	S.	..	..	1.0	Cu., Cu-s.
	8	19.	768.90	30.177	57.	60.7	58.7	.479	57.3	96.5	S.	..	..	1.0	Ci , Cu-s.
	9	19.3	768.65	30.165	56.4	63.7	60.5	.496	58.4	94.	S.	..	..	1 0	Cu., Cu s.
	10	19.7	768.35	30.151	58.1	67.	62.3	.512	59.4	91.	S.	.2	..	1.0	Cu., Cu-s.
	11	19.8	768.00	30.139	58.2	67.1	62.3	.511	59.3	91.	SSW.	.1	..	1.0	Cu., Cu s.
	12	20.	768.10	30.141	58.6	66.2	62.	.512	59.4	92.2	SSW.	..	..	1.0	Cu., Cu s.
	13	20.2	767.70	30.124	59.4	69.	64.6	.560	62.	91.7	S.	..	..	1.0	Cu., Cu s.
	14	20.8	767.05	30.095	60.9	70.8	66.2	.591	63.7	91.7	S.	..	..	1.0	Cu., Cu s
	15	21.1	766.45	30.071	61.8	70.9	66.5	.599	64.1	92.	S.	..	..	1.0	Cu., Cu s.
	16	21.4	766.30	30.064	62.4	70.5	66.7	.610	64.6	94.	SSE.	..	..	1.0	Cu., Cu s.
	17	21.8	765.45	30.028	61.9	70.4	66.7	.612	64.7	94.	S.	..	..	1.0	Cu., Cu s.
	18	22.	765.45	30.027	62.4	70.	66.2	.599	64.1	94.	SSE.	..	..	1.0	Cu., Cu s.
	19	22.	765.25	30.019	62.6	68.	65.4	.596	63.9	95.	SE.	..	..	1.0	Cu., Cu s.
	20	22.	765.20	30.017	64.	67.7	65.	.587	63.5	97.4	SE.	..	..	1.0	Cu , Cu s.
	21	22.2	765.10	30.011	62.4	65.6	63.8	.573	62.7	97 8	SE.	..	..	.9	Cu-s.
	22	21.8	764.90	30.007	62.9	64.	62.8	.561	62.1	98.5	SE.	..	..	.8	Cu-s.
	23	22.	763.15	29.936	63.4	64.	63.1	.570	62.6	98.7	SE.	..	..	1.0	Thick haze.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
9	0	21.7	763.40	29.947	63.7	64.4	63.7	.583	63.3	98.5	SE.	..	..	1.0	Hazy.
	1	21.5	762.40	29.910	64.4	64.3	63.8	.587	63.5	98.5	SSE.	..	..	1.0	S.
	2	21.5	761.75	29.885	63.4	64.6	64.	.590	63.6	98.	S.	..	..	.3	S. near Hor.
	3	21.7	761.15	29.859	62.2	64.5	64.	.591	63.7	97.8	SW.	..	..	..	A few Cu. near Hor.
	4	21.3	761.15	29.861	63.2	65.	64.5	.601	64.2	97.2	SW.	..	..	1.0	S., foggy.
	5	21.3	761 00	29.855	65.8	66.	65 5	.622	65.2	98.	SW.	..	..	1.0	S., foggy.
	6	21.4	760.80	29.848	67.4	67.7	66.7	.642	66.2	97.	SW.	.1	..	.3	Ci cu., Ci.
	7	21.7	760.75	29.844	67.6	70.8	68.8	.677	67.8	97.	SW.	.2	..	.5	Ci-cu., Ci.
	8	22.2	760.70	29.839	68.9	72.8	70.2	.703	69.	96.	SW.	.1	..	.5	Ci cu., Ci.
	9	23.5	760.70	29.833	70.3	77.	73.2	.764	71.5	94.	SW.	..	..	.6	Ci-cu., Ci.
	10	25.	760.75	29.828	73.4	79.1	74.1	.775	72.	91.9	SW.	..	..	1.0	S., Cu., Ci.
	11	25.2	760.50	29.817	74.1	79.5	74.7	.793	72.7	92.	SW.	..	..	1.0	S., Cu., Ci.
	12	27.5	760.20	29.794	74.6	83.1	77.	.843	74.6	91.8	SW.	..	..	1.0	S., Cu., Ci.
	13	27.	759.75	29.779	75.3	83.9	77.	.834	74.3	88.1	WSW.	..	..	.1	Ci cu., Cu., Ci.
	14	30.	759.40	29 751	75.4	85.1	78.5	.882	76.	88.9	SW.	.3	..	.3	Ci-cu., Cu., S. at Hor.
	15	30.	759.25	29.745	74.4	86.	77.7	.840	74.5	87.5	SW.	.5	..	.5	Cu s., Cu.
	*16	29.2	758.80	29.731	72 6	81.6	75.3	.793	72.7	86.	SW.	.5	..	.9	Cu-s., Cu., N.
	17	29.5	758.75	29.728	71.7	82.6	75.6	.794	72.7	87.	W.	.2	..	.8	Cu-s., Cu.
	18	29.7	758.80	29.729	73.4	83.5	77.5	.859	75.2	89.	W.	..	..	.6	Cu-s., Ci., Cu., Ci-cu.
	19	29.3	758.55	29.721	74.4	79.8	76.2	.847	74.7	94.	WSW.	..	..	.7	Ci-s., Ci., Cu., Cu-s.
	20	28.8	758.60	29.724	73.6	78.4	74.5	.797	72.9	95.	SW.	..	..	1.0	Cu., Ci cu.
	21	28.7	758.40	29.718	72.6	77.5	74.	.788	72.5	95.4	SW.	..	..	1.0	Ci-s., Cu., Ci cu.
	22	28.4	758.70	29.731	71.8	76.7	73.	.760	71.4	95.8	SW.	.2	..	.9	Cu-s., Ci-cu.
	23	27.1	758.35	29.722	71.2	74.8	72.2	.752	71.	98.	SW.	..	..	.2	Cu-s., Ci-cu.

* Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew p.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
12	*0	20.	765.70	30.046	....	56.7	53.	.373	50.	91.	NW.	..	..	1.0	Cu., S.
	1	20.4	765.70	30.045	†52.5	55.4	52.	.362	49.1	91.2	NW.	..	..	1.0	Ci-cu., Ci s.
	2	20.2	765.50	30.037	50.4	55.2	52.	.364	49.3	92.5	NW.	..	..	1.0	Cu-s.
	3	19.7	765.95	30.058	49.8	55.1	52.	.365	49.3	93.	NW.	..	..	1.0	Cu-s , Ci.
	4	19.3	766.25	30.072	47.2	52.5	50.5	.358	48.8	....	NW.	..	..	1.0	Cu-s., Ci.
	5	18.7	766.85	30.099	48.2	51.4	50.	.357	48 7	99.	NW.	..	..	1.0	Cu-s., Ci-cu.
	6	18.5	766.90	30.101	50.9	54.	52.2	.382	50.7	95.8	NW.	..	..	1.0	Cu-s., Ci-cu.
	7	18.7	767.45	30.122	52.4	59.1	55.9	.420	53.5	92.5	NW.	..	..	.9	Cu-s., Ci-cu.
	8	19.	767.60	30.126	53.4	60.1	56.1	.414	53.	87.7	NW.	..	..	1.0	Cu., S.
	9	19.6	768.00	30.139	56.5	64.1	58.5	.435	54.5	82.7	NW.	..	..	1.0	Ci-s., Ci-cu., S.
	10	20.	768.00	30.137	56.1	67.	61.1	.478	57.3	83.	WSW.	..	..	1.0	Ci-s., Ci-cu., S.
	11	20.6	768.15	30.140	56.6	67.7	61.6	.484	57.7	84.7	S.	..	..	1.0	Ci-cu., S.
	12	21.2	767.75	30.122	56.4	70.4	63.4	.508	59.1	82.4	SSW.	..	..	1.0	Ci-cu., S.
	13	21.6	767.30	30.101	52.2	71.	61.6	.447	55.3	76.	SSW.	..	..	1.0	Ci-cu., S.
	14	22.	766.95	30.086	48.6	71.	58.	.343	47.5	68.	SSW.	..	..	1.0	Ci-cu., S.
	15	22.6	766.55	30.068	53.	70.1	60.5	.424	53.7	71.5	S.	..	..	.9	Ci-s., Ci-cu., S.
	16	22.9	766.10	30.049	51.9	71.4	62.1	.457	56.	73.	S.	..	..	.8	Cu., Ci-cu., S.
	17	23.9	766.00	30.039	54.4	71.5	63.	.483	57.6	79.4	SS W.	..	..	.1	
	18	23.9	765.50	30.019	54.6	69.8	62.5	.486	57.8	82.5	SW.	..	..	.1	Cu.
	19	23.6	765.45	30.019	50.4	64.5	58.1	.419	53.4	84.	SW.	..	..	..	Ci-s. at Hor.
	20	22.9	765.10	30.009	48.4	60.	54.5	.373	50.	86.	SSW.	..	..	..	Ci-s. at Hor.
	21	22.3	765.20	30.015	48.5	57.2	53.2	.371	49.8	89.4	SSW.	..	..	..	Ci-cu., Cu-s. at Hor.
	22	23.6	765.30	30.013	48.4	55.4	52.2	.366	49.4	92.3	SSW.	..	..	..	Ci-cu., S., Cu-s. at Hor.
	23	21.3	764.90	30.009	47.4	53.6	50.7	.350	48.1	95.	S.	..	..	..	Ci-s., Cu-s. at Hor.

* Twenty minutes late.

† Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
13	0	21.1	764.30	29.986	49.4	52.8	50.7	.359	48.8	96.	S.	..	..	.2	Ci-cu., Ci-s.
	1	20.3	763.55	29.960	48.6	51.9	50.	.352	48.3	98.	S.	..	..	.4	Ci., Cu.
	2	19.7	763.05	29.943	50.7	52.2	51.	.373	50.	99.6	S.	..	..	1.0	Cu.
	3	19.5	762.55	29.925	52.6	55.4	54.5	.425	53.8	100.	S.	..	..	1.0	Cu.
	4	19.3	762.05	29.906	52.4	54.5	53.5	.410	52.7	100.	S.	..	..	1.0	Cu-s, Cu.
	5	19.1	761.80	29.897	53.8	56.7	55.4	.433	54.4	99.2	S.	..	..	1.0	S., Cu.
	6	18.7	762.05	29.909	54.6	58.2	56.5	.446	55.2	99.	S.	..	..	1.0	S., Cu., Ci.
	7	18.7	761.80	29.900	55.9	60.3	58 2	.471	56.9	97.8	S.	..	..	1.0	S., Cu., Ci.
	8	19.1	761.60	29.889	58.	63.8	61.1	.513	59.4	96.5	S.	..	..	1.0	Cu s., Cu., Ci.
	9	19.7	761.25	29.871	60.5	67.9	64.1	.556	61.8	94.	S.	..	..	1.0	Cu.
	10	19.8	760.70	29.852	59.4	67.5	63.	.528	60.3	91.8	SSW.	..	..	1.0	Heavy broken Cu.
	11	20.1	760.45	29.840	60 8	68.8	64.	.544	61.2	90.3	SSW.	..	..	1.0	Heavy broken Cu.
	12	20.8	759.55	29.880	60.4	71.2	65.2	.555	61.8	87.4	SSW.	..	..	1.0	Cu.
	13	21.2	759.20	29.785	60.8	71.6	65.6	.564	62.3	88.2	SSW.	..	..	1.0	Cu.
	14	21.5	758.75	29.767	62.	72.1	66.5	.586	63.4	89.2	SSW.	.1	..	1.0	Cu.
	15	22.3	758.00	29.732	62.7	71.	66.2	.589	63.6	91.3	SSW.	..	..	1.0	Cu.
	16	22.6	757.50	29.712	64.2	72.	67.5	.620	65.1	92.6	SSW.	.3	..	1.0	Cu.
	17	23.1	757.00	29.690	62.9	70.5	66.5	.601	64.3	93.8	SSW.	.3	..	1.0	Cu.
	18	23.1	757.00	29.690	63.4	69.	65.5	.589	63.6	95.4	SSW.	.2	..	1.0	Cu.
	19	23.	756.85	29.684	64.5	66.3	64.7	.593	63.8	98.	S.	..	..	1.0	Cu-s., Cu.
	20	22.6	756.35	29.666	61.4	66.7	65.	.598	64.	99.5	S.	..	..	1.0	Cu.
	21	22.8	755.90	29.649	64.9	66.	64.6	.594	63.8	99.8	S.	..	..	1.0	Cu.
	22	22.6	755.75	29.643	61.8	66.	64.6	.594	63.8	99.7	S.	.5	..	1.0	S., Ci., Cu.
	23	22.8	755.35	29.626	64.4	66.6	65.4	.612	64.7	99.8	S.	..	..	1.0	S., Ci., Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
14	0	22.8	754.85	29.609	65.8	67.7	66.4	.632	65.7	99.5	SSW.	..	..	1.0	Cu., S.
	1	22.4	754.35	29.590	67.2	68.1	66.8	.641	66.1	99.2	SW.	..	..	1.0	Cu., Cu-s.
	2	22.4	754.00	29 576	67.	68.1	67.	.647	66.4	99.4	SW.	..	..	1.0	Cu.
	3	22.3	753.75	29.567	67.2	68.	67.	.648	66.5	99.5	SW.	..	..	1.0	Cu.
	4	22.5	753.60	29.560	66.3	68.	66.9	.645	66.3	99.2	SW.	..	..	1.0	Cu.
	5	22.4	753.80	29.568	66.4	68.1	67.1	.650	66.6	99.	SW.	..	..	1.0	Cu., Ci., S.
	6	22.2	754.05	29.579	66.6	69.3	67.8	.661	67.1	98.	SW.	..	..	1.0	Ci-cu., Ci., Cu., S.
	7	22.5	754.20	29.584	67.9	70.4	68.6	.675	67.7	97.8	SW.	..	..	1.0	Ci-cu., Ci., S.
	8	23.2	754.05	29.574	68.9	73.8	70.3	.695	68.6	94.6	SW.	..	..	.6	Ci-cu., Cu s.
	9	23.7	754.00	29.571	66.5	76.	69.	.627	65.5	90.	WSW.	..	..	.8	Ci-cu., Cu.
	10	24.3	754.00	29.567	63.9	77.6	67.6	.562	62.2	81.8	W.	..	..	.9	N., Cu.
	11	24.9	753.90	29.560	68.5	76.	70.5	.678	67.9	90.7	WNW.	..	.03	.6	Ci-cu., Cu., Ci , *W.*
	12	25.3	753.55	29.545	64.7	77.5	69.7	.634	65.8	85.2	W.	..	..	.8	Ci-cu., Cu.
	13	25.5	753.15	29.528	62.5	77.	68.8	.609	64.6	84.	SW.	.6	..	.7	Ci-cu., Cu., N., raining.
	14	25.7	752.75	29.513	65.4	76.4	69.2	.629	65.6	85.1	WSW.	.1	..	1.0	N., raining.
	15	25.9	753.00	29.521	68.8	76.5	71.5	.708	69.2	92.4	W.	.2	.24	.3	Cu., N.
	16	26.2	752.90	29.516	62.6	80.6	69.6	.597	68.7	78.1	W.	.1	..	.2	Cu.
	17	26.6	753.00	29.516	61.1	80.6	68.6	.563	62.2	75.2	W.	.4	..	.2	Cu.
	18	27.	753.45	29.533	60.	79.5	68.4	.568	62.5	75.5	W.	..	..	.1	Cu.
	19	26.7	754.00	29.516	54.4	76.5	64.6	.478	63.	73.1	W.	..	..	.1	Cu., Ci.
	20	26.3	754.30	29.570	55.2	71.3	63.	.487	57.8	78.5	W.	..	..	..	Ci-s.
	21	26.2	755.10	29.602	53.4	68.8	60.8	.449	55.4	79.5	W.	..	..	..	Ci-s. at Hor.
	22	25.5	755.55	29.623	53.	66.5	59.1	.427	53.	81.3	W.	..	..	..	Clear.
	23	24.7	755.85	29.639	50.2	64.	57.6	.413	53.	82.	W.	..	..	..	Ci-cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
15	0	24.	756.35	29.658	48.	67.2	56.6	.350	48.4	77.	W.	..	..	.2	Ci-cu., Cu-s.
	1	23.7	756.70	29.675	47.9	67.6	56.1	.322	45.7	74.	WNW.	..	..	.1	Ci cu., Cu-s.
	2	23.2	756.55	29.670	46.4	64.	57.1	.399	51.9	77.8	NW.	..	..	.3	Cu.
	3	23.8	757.25	29.695	47.4	58.6	53.5	.364	49.3	88.8	NW.	..	..	.1	Ci s, Ci-cu.
	4	22.3	758.10	29.736	47.2	56.1	52.4	.361	49.3	90.	NW.	..	..	.2	Ci-s., Ci cu.
	5	21.4	758.45	29.755	50.2	54.8	52.2	.373	50.	94.6	NW.	..	..	.4	Ci s., Ci., Ci-cu.
	6	21.3	759 10	29.780	53.9	60.2	56.4	.421	53.5	94.1	NW.	..	..	.4	Ci s., Ci cu.
	7	21.5	759.75	29.806	52.4	64.4	57.3	.398	51.9	84.1	NW.	..	..	.3	S., Ci-cu.
	8	22.	760.25	29.823	50.1	67.7	57.3	.361	49.	76.6	WNW.	..	..	.3	S., Ci-cu.
	9	22.7	760.65	29.835	52.7	69.	58.4	.377	51.1	76.	WNW.	..	..	.2	S., Ci cu.
	10	23.	760.75	29.838	54.7	70.	59.5	.397	51.8	76.	W.	..	..	..	Cu.
	11	23.2	761.00	29.845	52.4	70.2	58.	.352	48.3	73.3	WNW.	.4	..	..	Cu , Ci-cu.
	12	23.4	761.00	29.815	55.3	71.7	61.	.321	45.6	74.8	W.	.1	..	.7	Ci., Ci-cu.
	13	23.9	760.85	29.837	56.4	73.	62.5	.450	55 5	75.5	W.	..	..	..	Cu.
	14	24.3	760.65	29.827	54.9	74.1	61.5	.409	52.7	73.	WSW.	..	..	..	Ci-cu.
	15	24.5	760.55	29.823	55.4	75.2	63.5	.459	48.8	73.9	WSW.	.1	..	.1	Ci cu., Cu.
	16	24.9	760.55	29.820	52.7	76.5	63.5	.442	54.9	72.	WSW.	.1	..	.1	Hazy, Cu.
	17	25.5	760.55	29.817	53.2	77.	64.	.454	55.8	72.2	WSW.	..	..	.1	Hazy, Ci-s.
	18	25.7	760.90	29.831	52.9	76.5	63.5	.445	55.2	71.5	WNW.	..	..	.2	Cu., Hazy, Ci-s.
	19	26.	761.00	29.832	56 9	72.5	65.	.534	60.6	81.3	WNW.	..	..	.3	Ci-s.
	20	25.2	761.15	29.842	54.5	68.4	62.3	.497	58.5	85.3	WNW.	..	..	.5	Ci cu., Ci-s.
	21	25.	761.55	29.859	56.3	66.	60.6	.474	57.	89.7	WSW.	..	..	..	Ci cu. at Hor.
	22	24.5	761.70	29.868	56.2	64.5	59.6	.461	56.2	91.	SSW.	..	..	..	Clear.
	23	24.5	761.45	29.858	56.	62.	58.9	.458	56.	94.9	SSW.	..	..	.8	Ci-s., Ci.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
16	0	23.7	761.00	29.844	58.2	62.	59.5	.487	57.8	98.	SSW.	..	..	.9	Ci., Ci-s.
	1	23.4	760.50	29.826	58.6	62.2	60.	.498	58.4	98.	SSW.	..	..	.8	Ci., Ci s., Ci-cu.
	2	23.2	760.00	29.806	59.	63.	60.5	.504	58.9	98.2	SSW.	..	..	.9	Cu., Ci-cu.
	3	22.7	759.60	29.793	58.2	63.7	60.8	.505	58.9	97.	SSW.	..	..	1.0	Cu.
	4	22.4	759.45	29.788	58.	*63.4	*60.4	*.496	58.4	96.	SSW.	..	..	1.0	Cu., Cu-s.
	5	22.3	759.00	29.771	59.	63.5	60.6	.502	58.8	96.8	SSW.	..	.01	1.0	Ci s., Cu , N.
	6	22.	758.25	29.744	57.8	65.1	60.2	.473	57.	92.	SSW.	..	..	1.0	S., Cu., Ci cu.
	7	21.8	758.00	29.735	60.8	68.7	63.5	.531	60.4	91.4	S.	.2	..	1.0	S., Cu., Ci-cu.
	8	22.1	757.60	29.717	62.	69.9	65.2	.569	62.5	92.5	S.	.5	..	1.0	Cu-s., Ci., S.
	9	22.3	757.05	29.695	65.	68.8	66.2	.613	64.8	98.2	SSW.	1.5	.15	1.0	N., raining.
	10	22.4	756.35	29.666	67.5	70.7	68.8	.678	67.9	98.4	SSW.	.4	.01	1.0	Cu-s., N.
	11	22.8	756.05	29.653	68.	73.5	71.	.724	69.9	96.9	SSW.	.2	..	1.0	Cu-s., N.
	12	23.4	755.90	29.645	68.	76.8	71.9	.719	69.7	93.2	SW.	1.5	..	.9	Cu., *SW.*
	13	24.	756.00	29.644	66.2	79.	71.	.663	67.2	85.9	WSW.	.5	..	.7	Cu.
	14	24.7	756.40	29.658	64.8	80.5	71.	.646	66.4	81.3	W.	1.8	..	.7	Cu., Ci-cu.
	15	25.2	756.70	29.667	64.	79.1	69.1	.596	64.	80.4	WNW.	1.6	..	.7	Cu., Ci-cu.
	16	25.7	757.00	29.677	62.7	79.2	68.7	.579	63.1	79.	WNW.	1.2	..	.5	Cu., Ci-cu., *NW.*
	17	26.3	757.45	29.692	62.5	79.3	68.5	.573	62.8	78.5	WNW.	.5	..	.4	Cu., Ci-cu.
	18	26.4	758.00	29.713	59.1	78.	66.5	.521	59.9	77.1	WNW.	.6	..	.5	Cu., Ci-cu.
	19	25.8	758.85	29.749	58.6	74 2	65.7	.538	60.8	80.9	WNW.	.1	..	.5	Ci-s., Cu., Ci-cu.
	20	25.5	759.40	29.771	56.9	70.6	62.8	.488	57.9	83.	NW.	.2	..	.2	Ci-s., Cu., Ci-cu.
	21	25.4	760.60	29.821	55.8	67.5	61.	.468	56.7	86.	WNW.	..	..	..	A few Ci-s., Ci-cu.
	22	24.9	761.15	29.843	54.5	65.7	58.5	.417	53.2	87.	NNW.	..	..	.1	Cu., Ci-cu.
	23	24.1	761.50	29.861	53.6	63.6	58.	.426	53.9	87.5	NNW.	.4	..	.2	Ci-s, Cu., Ci-cu.

* Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
17	0	23.4	761.45	29.863	52.8	62.	56.7	.410	52.7	89.4	NNW.	..	..	.4	Cu., Cu-s.
	1	23.3	761.45	29.863	51.6	60.5	56.3	.415	53.1	91.	N.	..	..	1.0	Ci., Ci-s., Ci cu.
	2	22.8	761.50	29.868	52.4	57.6	54.5	.400	52.	95.	NNE.	..	..	1.0	Cu., Ci s., Ci-cu.
	3	22.2	761.65	29.876	54.8	57.5	54.5	.401	56.2	95.	NNE.	..	..	1.0	Ci-s., hazy.
	4	21.7	762.00	29.892	52.3	57.5	54.5	.401	52.1	95.4	NNE.	..	..	1.0	Cu-s.
	5	21.2	762.25	29.905	52.6	58.2	55.	.406	52.4	95.5	N.	..	..	1.0	N., raining, S.
	6	20.8	761.55	29.879	54.4	58.5	56.2	.435	54.5	97.4	NNE.	..	..	1.0	N., raining, Ci cu.
	7	20.8	762.40	29.912	51.2	60.2	56.7	.430	54.2	95.	NE.	..	..	1.0	Cu-s., S., Ci-cu.
	8	20.9	763.00	29.935	54.	63.5	58.6	.444	55.1	90.5	NE.	..	..	.9	Ci., S., Ci-cu.
	9	21.4	763.50	29.953	56.3	67.6	61.3	.475	57.1	87.3	ENE.	..	..	.8	Ci-s., S., Ci-cu.
	10	21.8	763.25	29.941	53.	67.5	60.6	.457	56.	85.5	E.	..	..	1.0	Ci-s., Cu., Ci-cu.
	11	22.3	763.80	29.961	52.4	69.	61.	.451	55.6	82.	E.	..	..	1.0	Cu., S.
	12	22.4	763.60	29.951	52.5	69.	61.3	.460	56.2	84.4	E.	..	..	1.0	Cu., S.
	13	22.5	763.45	29.945	50.3	69.5	59.5	.403	52.2	80.5	E.	..	..	1.0	Cu., S.
	14	22.9	763.40	29.942	54.	70.4	62.	.465	56.5	81.5	SSW.	..	..	.9	Cu., S.
	15	23.4	762.50	29.914	55.8	73.	64.1	.499	58.3	80.	WSW.	..	..	.4	Cu., Ci-s.
	16	23.9	762.60	29.905	53.6	70.6	62.3	.472	56.9	81.4	S.	..	..	.6	Cu.
	17	24.1	762.80	29.912	54.5	69.5	61.5	.460	56.2	81.8	SSW.	..	..	.8	Cu.
	18	23.9	763.30	29.932	56.	68.5	61.8	.485	57.7	84.9	ESE.	..	..	.9	N., Cu-s. [from *E.*, very low.
	19	23.	764.00	29.965	54.	58.	57.	.462	56.3	98.	NE.	.5	.17	1.0	Cu-s.; showers from *N.*, a little *E.*; clouds
	20	22.8	764.00	29.966	55.	59.2	57.5	.462	56.3	98.	ENE.	..	..	.5	Ci-cu., Cu s.
	21	22.7	764.40	29.982	54.	57.5	56.	.441	54.9	98.9	ENE.	..	..	..	Clear.
	22	21.9	764.65	29.996	54.	56.1	55.	.430	54.2	99.5	NNE.	..	..	..	Clear.
	23	21.3	764.80	30.005	53.	55.2	51.1	.417	53.2	99.8	NNE.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
19	0	20.7	766.50	30.075	49.7	55.4	52.3	.369	49.7	91.	S.	..	..	.1	Ci-s.
	1	20.5	766.55	30.077	48.2	53.5	51.1	.361	49.	94.	S.	..	..	.1	Ci-s.
	2	20.2	766.40	30.073	48.6	52.3	50.	.347	47.	97.	S.	..	..	.1	Ci., Ci-cu.
	3	19.7	766.80	30.092	50.	52.7	50.8	.365	49.2	97.	S.	..	..	.2	Ci-cu.
	4	19.5	767.10	30.104	49.6	52.5	50.5	.358	50.9	96.8	S.	..	..	.4	Cu., Ci-cu.
	5	19.	767.25	30.112	50.5	53.	52.	.389	51.2	99.	S.	..	..	.6	Cu., Ci-cu., Ci.
	6	18.5	768.00	30.144	53.9	58.2	55.8	.428	54.	94.1	SE.	..	..	..	Ci-cu.
	7	19.1	768.15	30.147	55.4	63.	58.7	.453	55.7	88.6	ESE.	..	..	..	S. at *E.*
	8	19.6	768.40	30.153	56.	66.2	60.1	.457	56.	84.6	ESE.	..	..	..	Clear.
	9	20.4	768.85	30.168	58.6	69.4	63.5	.522	59.9	85.2	SE.	..	..	.04	Cu.
	10	21.	768.85	30.164	56.8	72.1	63.9	.503	58.8	80.	SSW.	..	..	.2	Cu.
	11	21.6	769.00	30.166	52.	72.3	62.	.444	55.1	73.	SSW.	..	..	.4	Cu.
	12	22.3	769.10	30.167	53.2	72.5	62.2	.448	55.4	73.8	SSW.	..	..	.6	Cu.
	13	22.5	768.95	30.160	53.	74.2	63.3	.462	56.3	72.	SW.	..	..	.6	Cu.
	14	23.4	768.85	30.153	50.	76.2	62.7	.421	53.5	68.2	W.	..	..	.5	Cu.
	15	23.9	768.95	30.153	52.6	76.6	64.6	.474	57.	71.2	E.	.05	..	.7	Cu.
	16	24.3	768.95	30.151	50.	75.5	63.2	.444	55.1	70.5	SW.	.10	..	.5	Cu.
	17	24.6	769.45	30.170	48.3	71.9	61.1	.422	53.6	70.2	SSW.	..	..	..	Cu., Ci-cu.
	18	24.4	769.50	30.173	46.2	71.4	60.5	.410	52.7	71.9	SW.	.20	..	..	Clear.
	19	24.8	769.80	30.184	47.5	68.6	59.	.398	51.9	73.1	SSW.	.05	..	..	Ci-cu. at Hor.
	20	23.1	770.00	30.199	50.	63.7	56.8	.393	51.5	78.9	SW.	..	..	..	Clear.
	21	22.9	770.10	30.204	48.9	61.	55.1	.377	50.3	82.5	SW.	..	..	..	Clear.
	22	22.2	770.45	30.220	47.4	59.9	54.9	.384	50.8	84.5	SW.	..	..	.1	Cu.
	23	21.8	770.65	30.231	46.9	58.2	54.1	.382	50.7	86.6	SW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
20	0	21.	770.65	30.235	*46.3	55.5	52.	.360	48.9	90.	SW.	..	..	.10	Ci.
	1	21.	770.45	30.227	45.4	54.9	51.4	.352	48.3	91.	SW.	..	..	..	Ci-s.
	2	20.7	770.25	30.221	46.2	54.	50.	.327	46.1	90.5	SW.	..	..	..	Ci-s.
	3	20.	770.30	30.225	45.2	53.	49.6	.329	46.3	91.5	SW.	..	..	..	Ci-s. in Hor.
	4	19.1	770.75	30.248	46.5	52.	49.5	.339	47.2	95.	SW.	..	..	.10	Ci-s.
	5	18.5	771.10	30.264	47.	50.7	49.	.342	47.4	98.	SW.	..	..	.30	Ci-cu.
	6	18.7	771.50	30.280	52.	56.5	54.2	.405	52 4	97.6	SW.	..	..	.10	Ci-cu., Ci.
	7	19.	771.65	30.285	55.	62.7	58.5	.450	55.5	91.4	SW.	..	..	1.00	S.
	8	19.6	772.00	30.294	55.5	66.	60.	.455	55.8	85.4	SW.	..	..	..	Clear.
	9	20.6	772.15	30.296	56.	69.7	62.5	.487	57.8	84.3	SSW.	..	..	.05	Cu., Ci.
	10	21.1	772.40	30.303	53.9	70.3	60.1	.409	52.7	77.5	WSW.	.06	..	.30	Cu , Ci.
	11	21.9	772.40	30.399	56.	71.3	62.3	.459	56.1	78.5	WSW.	..	..	.30	Cu., Ci.
	12	22.5	771.95	30.279	56.3	73.5	63.7	.482	57.5	77.8	SW.	..	..	.07	Cu., Ci.
	13	22.9	771.55	30.262	54.5	73.3	62.7	.454	56.8	76.	SW.	.10	..	.30	Cu., Ci.
	14	23.2	771.20	30.245	56.1	74.7	64.	.477	57.2	75.8	WSW.	.05	..	.40	Cu., Ci.
	15	23.7	770.85	30.230	50.1	75.5	62.4	.420	53.4	72.2	WSW.	.05	..	.30	Cu., Ci.
	16	24.3	770.55	30.214	49.3	76.1	62.3	.410	52.7	71.	WSW.	.15	..	.30	Ci-cu.
	17	25.	770 80	30.221	49.7	75.6	62.5	.421	53.5	72.5	WSW.	.15	..	.30	Ci cu.
	18	25.1	770.90	30.225	49.	74.8	62.4	.428	54.	70.3	WSW.	..	..	.30	Ci-cu.
	19	24.9	771.05	30.231	48.	72.1	62.6	.464	56.4	73.	WSW.	..	..	.40	Ci., Ci s., Cu., S
	20	23.4	770.95	30.235	54.8	66.7	60.5	.463	56.3	85.3	SW.	..	..	.10	Ci.
	21	24.2	770.95	30.230	54.	64.7	58.5	.429	54.1	87.9	SW.	..	..	.06	Ci.
	22	23.5	770.85	30.230	54.	61.3	56.9	.422	53.6	89.8	SW.	..	..	.06	Ci.
	23	23.	770.85	30.233	53.8	59.8	56.4	.425	53.8	93.	SW.	..	..	.05	Ci.

* Twenty-seven minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
21	0	22.	770.55	30.226	*52.	56.7	53.8	.392	50.6	99.	SW.	..	..	.2	Ci.
	1	21.9	770.25	30.214	50.6	55.5	53.2	.390	51.3	97.	SW.	..	..	..	Ci.
	2	21.4	770.00	30.207	50.	55.	53.	.391	51.3	99.	SW.	..	..	..	Clear.
	3	21.	769.70	30.198	49.4	53.	51.5	.376	50.2	100.	SW.	..	..	..	Clear.
	4	20.3	769.85	30.207	48.9	52.	50.6	.365	49.3	100.	SW.	..	..	.2	Ci-s. in Hor.
	5	19.9	770.00	30.213	50.	51.7	51.	.378	50.4	100.	SW.	..	..	.05	S.
	6	19.3	770.45	30.234	54.5	57.5	55.7	.433	54.4	97.	SW.	..	..	.05	S., Ci-cu.
	7	20.	771.00	30.253	55.2	62.6	58.2	.443	55.	90.5	WSW.	..	..	.05	S., Ci-cu.
	8	20.5	771.00	30.251	54.8	67.	59.8	.439	54.8	84.2	NW.	..	..	.05	S., Ci-cu.
	9	21.3	770.70	30.235	57.3	70.5	62.5	.478	57.3	82.9	N.	..	..	.1	S., Ci-cu.
	10	21.9	770.25	30.214	56.	73.	63.4	.478	57.3	76.3	N.	..	..	.1	S., Ci-cu.
	11	22.5	769.85	30.196	54.	75.	64.5	.484	57.7	73.5	ENE.	..	..	.1	S., Cu.
	12	23.2	769.50	30.178	52.7	75.9	62.8	.427	53.9	69.5	ENE.	..	..	.1	S., Cu.
	13	23.9	769.15	30.161	52.3	77.5	63.7	.436	54.6	68.9	NE.	..	..	.2	Ci-s., Ci., Cu.
	14	24.7	768.55	30.135	56.3	79.1	67.1	.526	60.2	70.8	E.	..	..	.3	Ci-s., Ci., Cu.
	15	25.2	768.00	30.112	54.3	80.6	66.6	.494	58.3	68.9	SE.	..	..	.4	Ci-s., Ci., Cu.
	16	26.1	767.55	30.090	58.2	83.2	70.1	.582	63.2	70.9	SE.	..	..	.4	Ci-s., Ci., Cu.
	17	26.9	767.45	30.082	59.9	82.5	70.9	.618	65.	75.	.....	..	..	.4	Ci-s., Ci.
	18	27.5	767.60	30.085	61.	80.2	69.8	.605	64.4	77.2	.....	..	..	.4	Ci-cu., Ci., Cu.
	19	27.5	767.50	30.081	63.	77.8	69.5	.622	65.2	82.	SSE.	..	..	.7	Ci-cu., Ci-s., Cu.
	20	27.	767.50	30.084	62.	71.5	68.	.608	64.5	88.	SE.	..	..	.8	Ci-s., Cu.
	21	27.	767.55	30.086	65.	72.9	68.9	.656	66.8	92.8	SE.	..	..	1.0	N., Cu.
	22	27.9	767.35	30.074	62.5	72.3	67.3	.610	64.6	92.5	SE.	..	..	1.0	N., raining.
	23	26.3	767.20	30.075	65.5	69.6	67.2	.637	66.	98.9	SE.	..	.01	1.0	N., raining.

* Twenty-seven minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
23	0	26.8	764.05	29.949	65.8	69.	66.7	.627	65.5	98.9	SW.	..	..	.05	Ci.
	1	26.5	763.60	29.933	65.4	67.7	66.3	.628	65.5	100.	SW.	..	..	..	Clear.
	2	26.2	763.40	29.926	64.8	66.6	65.4	.612	64.7	100.	SW.	..	..	..	Clear.
	3	25.7	763.25	29.922	64.2	66.6	65.2	.605	64.4	100.	SW.	..	..	..	Clear.
	4	25.1	763.15	29.921	64.	66.1	64.9	.602	64.2	100.	SW.	..	..	.10	Ci-s. at Hor.
	5	24.8	763.40	29.933	63.5	65.7	64.5	.594	63.8	100.	SW.	..	..	.05	S.
	6	24.7	763.50	29.937	66.2	69.1	67.2	.643	66.2	99.	SW.	..	..	.05	S.
	7	25.1	763.80	29.947	66.6	72.4	68.7	.656	66.9	94.	SW.	..	..	.05	S.
	8	25.4	763.80	29.946	65.8	75.4	69.2	.640	66.1	88.7	SW.	..	..	.05	S., Ci-cu.
	9	26.	763.80	29.943	64.	78.3	68.	.566	62.4	80.3	WNW.	.05	..	.05	Ci cu.
	10	26.5	763.50	29.929	64.	79.5	69 5	.605	64.4	80.	W.	.05	..	.10	Cu., Ci-cu.
	11	27.1	763.30	29.917	62.3	81.5	69.	.566	62.4	76.8	W.	.20	..	.20	Cu., Ci-cu.
	12	27.6	763.05	29.905	61.5	82.4	68.8	.549	61.4	73.4	W.	.30	..	.60	Cu., Ci-cu.
	13	27.9	762.50	29.883	61.8	83.5	69.2	.550	61.5	72.7	WSW.	.25	..	.30	Cu., Ci cu.
	14	29.4	762.35	29.869	63.7	84.2	72.5	.658	66.9	75.3	WSW.	.30	..	.30	Cu., Ci-cu., Ci s.
	15	29.5	761.85	29.850	64.5	84.5	73.	.674	67.7	76.5	SW.	.10	..	.30	Cu., Ci-cu.
	16	29.6	761.50	29.836	62.8	85.1	72.6	.653	66.7	75.8	SW.	.40	..	.20	Cu., S.
	17	29.9	761.25	29.825	62.	84.6	71.5	.619	65.1	74.5	SW.	.50	..	.10	Cu.
	18	30.	761.20	29.822	62.7	83.6	71.6	.634	65.8	75.	SW.	.10	..	.05	Cu.
	19	29.7	761.10	29.819	64.	81.2	70.6	.624	65.3	77.1	SW.	..	..	..	Cu. at Hor.
	20	29.2	761.25	29.827	62.2	78.	69.4	.618	64.5	80.	SW.	..	..	..	Cu. at Hor.
	21	29.	761.45	29.836	65.	74.	67.9	.612	64.7	85.1	SW.	..	..	..	Clear.
	22	28.5	761.50	29.840	65.5	73.7	69.1	.655	66.8	93.	SW.	..	..	..	Clear.
	23	28.	761.40	29.839	65.7	73.9	69.7	.674	67.7	95.	SW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr. Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
24	0	27.5	761.15	29.831	67.2	72.4	66.9	.596	63.9	97.1	SW.	..	..	..	Clear.
	1	27.4	760.80	29.818	68.6	71.7	69.5	.691	68.4	98.8	SW.	..	..	..	Clear.
	2	27.1	760.55	29.810	68.	71.	69.3	.692	68.5	99.7	SW.	..	..	..	Clear.
	3	26.8	760.15	29.796	67.8	70.6	69.	.686	68.2	99.6	SW.	..	..	..	Clear.
	4	26.3	760.15	29.798	68.4	70.2	69.	.691	68.4	99.5	SW.	..	..	.3	Ci cu.
	5	25.8	760.05	29.796	68.5	70.4	69.	.689	68.4	99.	SW.	..	..	.5	Ci., Cu., S.
	6	26.1	760.40	29.809	69.7	72.9	70.7	.720	69.7	97.1	SW.	..	..	1.0	Ci., Cu.
	7	26.1	760.35	29.807	70.8	74.6	72.	.746	70.8	96.5	SW.	..	..	1.0	Ci., Cu., Cu-s.
	8	26.4	760.30	29.804	71.6	77.2	73.3	.766	71.6	94.8	SW.	.1	..	1.0	Ci., Cu.
	9	27.1	760.00	29.788	71.8	79.2	74.2	.777	72.1	93.1	SW.	.2	..	.7	Cu , very low Ci-cu., *SW.*
	10	27.4	759.65	29.772	72.4	81.3	75.5	.804	73.1	92.3	SW.	.3	..	.7	Cu., Ci-cu., *SW.*
	11	28.2	759.25	29.753	71.9	83.8	76.8	.828	74.	88.2	SW.	.3	..	.3	Cu., Ci-cu., *SW.*
	12	28.5	758.70	29.730	70.1	83.7	75.5	.778	72.1	86.3	SW.	.4	..	.3	Cu., *SW.*
	13	29.	757.90	29.697	69.8	85.7	76.4	.791	72.6	84.6	SW.	.5	..	.6	Cu., *SW.*
	14	29.6	757.35	29.673	69.	86.	75.8	.764	71.5	83.2	SW.	.7	..	.4	Cu., N., Ci-cu. [raining.
	15	29.9	756.95	29.656	68.7	86.8	76.	.763	71.5	82.	SW.	1.4	..	.7	Cu., N., Ci-cu.; 15*h*. 40*m*., commenced
	16	30.	757.10	29.661	71.6	79.	74.	.772	71.9	93.9	WSW.	.8	.01	.95	Cu., N., Ci-cu.
	17	29.9	757.30	29.670	69.7	78.8	73.	.737	70.4	92.	W.	.1	..	1.0	Cu., N.
	18	29.6	756.65	29.645	70.1	77.1	72.9	.752	71.	94.	W.	..	..	.8	Cu., Cu-s., Ci-cu.
	19	28.1	757.05	29.678	68.2	76.2	71.1	.697	68.7	92.9	W.	..	..	1.0	Cu-s., Ci-cu.
	20	28.5	757.00	29.687	69.3	74.2	70.5	.698	68.8	96.	W.	..	..	1.0	Cu s., Ci-cu.
	21	28.5	757.80	29.695	65.	74.	67.3	.592	63.7	91.6	W.	..	..	1.0	Cu., Ci-cu.
	22	27.5	758.35	29.721	65.7	73.2	68.7	.647	66.4	93.	W.	..	..	1.0	Cu.
	23	27.	758.50	29.730	64.	72.4	68.2	.640	66.1	94.4	W.	..	..	.8	Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
26	0	24.9	762.60	29.900	61.6	68.5	61.7	.568	62.5	96.	W.	..	..	.30	S., Ci.
	1	24.7	762.70	29.906	....	66.1	63.2	.550	61 5	97.	W.	..	..	.20	Ci-s.
	2	24.3	762.50	29.899	....	64.5	62.5	.546	61.3	98.	W.	..	..	.20	Ci-cu.
	3	24.2	762.75	29.910	....	64.	62.3	.546	61.3	99.5	W.	..	..	.20	Ci-cu., Ci-s.
	4	23.8	762.80	29.913	60.8	64.	62.4	.549	61.4	100.	W.	..	..	.60	Ci-cu., Ci s.
	5	23.6	763.00	29.922	61.2	63.4	62.2	.550	61.5	100.	W.	..	..	.80	Ci-cu., Cu-s.
	6	23.4	763.00	29.923	63.2	65.7	64.3	.587	63.6	99.2	W.	..	..	.90	Ci., Ci-cu., Cu-s.
	7	23.2	763.40	29.939	64.6	67.3	65.6	.611	64.7	99.	W.	..	..	.95	Ci., Ci-cu., Cu-s.
	8	23.6	763.70	29.950	67.	72.8	69.1	.665	67.3	94.6	W.	..	..	1.00	Ci., Ci-cu., Cu-s.
	9	24.2	763.70	29.947	64.	75.6	70.	.665	67 3	90.8	W.	..	..	.95	Ci-cu., Cu-s., S.
	10	24.9	763.65	29.941	61.2	79.	69.	.594	63.8	80 8	W.	..	..	.90	Ci-cu., Cu-s., S.
	11	25.3	763.85	29.948	60.7	79.5	70.	.622	65.2	79.8	WSW.	..	..	1.00	Cu., Cu-s.
	12	25.9	763.65	29.937	61.	80.7	70.5	.627	65.5	77.8	SSW.	..	..	.95	S., Cu., Ci-cu., Ci-s.
	13	26.3	763 65	29.935	58.	83.	69.8	.577	63.	74.6	SE.	..	..	.80	S., Cu., Ci-cu.
	14	27.7	763.30	29.914	58.	83.1	69.8	.575	62.8	74.2	ESE.	..	..	.70	S., Cu., Ci cu., Ci.
	15	28.	762.95	29.900	57.	82.5	69.1	.558	62.	73.4	SE.	.30	..	.80	S., Cu., Ci-cu.
	16	28.	762.95	29.900	57.8	85.6	71.5	.608	64.5	72.	SSE.	.20	..	.60	S., Cu., Ci-s.
	17	29.2	762.60	29.880	*64.1	83.4	71.9	.646	66.4	77.1	SSE.	.20	..	.40	Cu., Ci-s.
	18	28.4	762.90	29.996	63.7	81.	70.6	.626	65.4	79.4	SSE.	.05	..	.10	Cu., Ci-s.
	19	28.4	763.20	29.907	65.2	78.3	69.7	.625	65.4	82.7	S.	..	..	.90	Cu.
	20	28.	763.45	29.919	63.8	73.5	67.6	.607	64.5	88.	S.	..	..	.10	Cu., Ci-s.
	21	27.9	763.60	29.926	63.6	72.	67.	.604	64.3	90.4	S.	..	..	..	Cu. at Hor.
	22	27.4	763.95	29.941	63.	69.9	66.	.595	63.9	93.9	S.	..	..	..	Clear.
	23	26.7	764.00	29.947	64.	68.1	64.7	.573	62.7	97.	S.	..	..	..	Clear.

* Twenty-seven minutes late.

Date.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
27	0	26.6	763.70	29.935	63.8	67.5	65.1	.592	63.7	98.	S.	..	..	..	Clear.
	1	26.1	763.40	29.926	63.	66.	64.1	.578	63.	100.	S.	..	..	..	Clear.
	2	25.	763.20	29.923	63.3	65.5	64.	.590	63.1	100.	S.	..	..	.2	Mist around Hor.
	3	24.2	763.00	29.919	63.9	66.1	65.	.605	64.4	100.	S.	..	..	1.0	S.
	4	24.2	763.20	29.927	64.4	66.6	65.6	.619	65.1	99.4	S.	..	..	1.0	S.
	5	24.	763.55	29.941	65.	66 7	65.7	.621	65.2	99.2	S.	..	..	1.0	S.
	6	24.1	764.00	29 959	65.8	67.8	66.5	.633	65.8	99.	SSW.	..	..	1.0	S.
	7	24.3	764.35	29.972	67.	70.7	68.4	.664	67.2	96.7	SSW.	..	..	.3	Ci-cu., S., Ci.
	8	24.8	764.45	29.975	70.4	74.9	71.5	.726	70.	95.9	S.	..	..	.1	Cu.
	9	25.5	764.30	29.964	71.1	78.4	73.	.742	70.6	90.8	SSW.	..	..	.05	Ci-cu., Cu., S.
	10	26.4	764.00	29.959	72.2	80.7	75.2	.745	72.9	88.3	SW.	..	..	.2	Ci-cu., Cu., S.
	11	27.	764.00	29.946	67.3	83.	74.	.728	70.1	83.8	SSW.	.5	..	.4	Ci-cu., Cu-s.
	12	27.6	763.80	29.935	68.	83.5	73.5	.704	69.	80.7	SW.	.2	..	.6	Cu., Ci., S., *S.*
	13	28.	763.60	29.925	66.6	86.	74.5	.713	69.4	79	SW.	.3	..	.6	Cu., Ci., S., *SSW.*
	14	28.5	763.10	29.902	68.6	87.	76.	.761	71.4	79.3	SW.	.4	..	.5	Cu., Ci., S., *SW.*
	15	29.9	762.90	29.890	68.	87.2	75.9	.755	71.2	79.	SW.	.5	..	.6	Cu., Ci., S.
	16	29.9	762.35	29.868	68.6	84.3	75.	.752	71.	82.	SW.	.9	..	.9	Cu., Ci., S.
	17	29.9	762.20	29.862	69.7	83.5	74.8	.753	71.1	83.5	SW.	.03	..	.9	Cu., Ci., S.
	18	29.9	762.35	29.868	68.	83.	74.2	.735	70.3	83.9	SW.	.02	..	1.0	Cu., Ci., S.
	19	29.3	762.30	29.868	66.8	80 2	72.4	.700	64.1	83.5	SW.	..	..	.9	Cu., S., Ci., Ci-cu.
	20	28.1	762.30	29.874	67.8	77.6	71.5	.696	68.7	87.8	SW.	..	.	1.0	Cu., S., Ci., Ci-cu.
	21	29.1	762.60	29.880	68.	76.	72.	.731	70.2	92.8	SW.	..	..	.8	Cu., Ci-s.
	22	28.7	762.80	29.891	69.5	75.7	72.2	.742	70.8	95.	SW.	..	..	..	*
	23	28.	762.90	29.898	69 5	75.5	72.2	.745	70.8	96.	SW.	..	..	.4	Cu., Ci-s., Ci.

* Bright diffused light to N., particularly bright to NW., from whence streamers are shooting up; general light weakens as it rises at 9h. 45m; at 9h. 15m., a brilliant light; dark cumulus spots in the bright light, and long streaks of dark clouds to N. Fades at 10h. 13m.; light to N. faint; dark, fuzzy, low cumuli form and disappear to N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
28	0	28.3	762.60	29.884	70.2	74.8	71.6	.731	70.2	97.	SW.	..	..	.7	Ci., Ci cu., Cu-s.
	1	28.2	762.30	29.874	70 4	74.5	71.5	.730	70.1	97.3	SW.	..	..	.2	Ci-cu., Ci-s.
	2	27.9	762.10	29.867	70.4	73.	71.	.729	70.1	100.	SW.	..	..	.8	Cu., Cu-s.
	3	27.5	761.70	29.853	70.2	73.	71.3	.739	70.5	100.	SW.	..	..	.9	Cu.
	4	27.2	761.45	29.844	69.4	73.	71.5	.747	70.8	99.5	SW.	..	..	1.0	Cu., Cu-s.
	5	27.	761.40	29.844	70.8	73.	71.5	.747	70.8	99.8	SW.	..	..	1.0	S., Ci-cu.
	6	26 5	761.50	29.851	71.4	74.	72.2	.761	71.4	99.5	SW.	..	..	1.0	S., Ci-cu., Cu s.
	7	26.8	761.75	29.859	71.2	75.5	72.7	.762	71.5	97.	SW.	..	..	1.0	S., Ci-cu., Cu-s.
	8	26.8	761.60	29.853	71.7	77.7	73.7	.775	72.	94.	SSW.	..	..	1.0	S., Ci-cu., Cu.
	9	27.2	761.75	29.856	70.1	78.6	73.6	.761	71.4	93.	SW.	.4	..	1.0	S., Cu.
	10	27.3	761.50	29.846	71.	79.3	74.3	.780	72.2	93.4	SW.	.6	..	1.0	S., Cu.
	11	27.6	761.50	29.845	70.7	81.2	74.8	.779	72.1	91.	SW.	.7	..	1.0	S., Cu.
	12	27.9	761.30	29.836	70.6	80.6	74.5	.773	71.9	91.	SW.	5	..	1.0	S., Cu.
	13	28.1	760.85	29.818	70.1	81.	74.8	.792	72 2	91.5	SW.	.5	..	1.0	S., Cu.
	14	28.1	760.35	29.798	70.4	80.2	75.4	.812	73.4	92.2	SSW.	.5	..	.95	S., Cu.
	15	28.1	759.95	29.782	71.1	78.5	74.7	.804	73.1	94.9	SSW.	.6	..	.7	S., Cu.
	16	28.4	759.65	29.768	69.4	83.	75.4	.781	72.2	90.	SSW.	.7	..	.4	S., Ci-cu., Cu.
	17	28.8	759.10	29.743	69.9	83.2	74.7	.752	71.	86.8	SSW.	.6	..	.4	S., Ci-cu., Cu.
	18	29.2	759.40	29.754	68.8	81.5	74.	.744	70.7	87.9	SSW.	.7	..	.4	S , Ci-cu., Cu.
	19	28.	759.10	29.748	68.	78.8	73.	.737	70.4	90.	SSW.	.1	..	.5	Ci., S., Ci-cu., Cu.
	20	28.2	759.15	29.748	68.7	76.7	71.7	.713	69.4	92.5	SSW.	..	..	.9	Ci., S., Ci-cu., Cu.
	21	28.2	759.70	29.770	68.	75.2	71.4	.718	69.6	95.	SSW.	..	..	.8	Cu.
	22	27.9	759.50	29.765	68.	72 5	70.5	.717	69.6	96.9	SSW.	..	..	.2	Ci., Cu.
	23	27.4	759.55	29.768	68.	73.	70.5	.712	69.4	97.8	SSW.	..	..	.8	Cu-s., Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
29	0	26.8	759.30	29.762	66.	72.5	69.5	.682	68.	98.	SSW.	..	..	.2	Cu-s., Cu.
	1	26.7	758.90	29.747	67.	71.2	68.5	.662	67.1	98.	SW.	..	..	.2	Cu-s., Cu. near Hor.
	2	25.	758.65	29.745	67.	69.6	67.7	.653	66.7	99.	SW.	..	..	.1	Cu., Cu-s.
	3	....	.....	.....	....	....	....	....	....	....	SW.	..	..	..	
	4	25.7	758.85	29.750	65.	69.2	67.3	.645	66.3	99.	SW.	..	..	..	Cu., Ci-s.
	5	25.6	759.25	29.765	65.6	68.5	66.7	.633	65.8	100.	SW.	..	..	.1	Ci-cu., S.
	6	25.2	759.70	29.785	66.6	71.3	68.3	.655	66.8	96.	SW.	..	..	.6	Ci-cu.
	7	25.8	760.15	29.800	66.2	73.4	69.7	.645	66.3	92.5	WSW.	..	..	.7	Ci cu., S.
	8	26.2	760.10	29.797	66.	77.	70.	.650	66.6	87.8	WSW.	..	..	.2	Ci-cu., S.
	9	26.8	760.10	29.794	67.	79.7	71.4	.670	67 5	89.7	W.	..	..	.5	Ci-cu., Cu., S.
	10	27.3	760.15	29.793	67.2	81.5	72 1	.674	67.7	83.4	W.	.2	..	.5	Ci-cu., Cu., S.
	11	27.8	760.10	29.789	66.1	83.6	72.2	.655	66.8	79.9	W.	.6	..	.7	Ci-cu., Cu., S.
	12	28.3	759.75	29.772	65.8	85.	73.5	.687	68.3	77.8	WSW.	.6	..	.9	Ci-cu., Cu., S.
	13	28.7	759.25	29.751	67.	85.1	74.1	.709	69.2	79.4	SW.	1.5	..	1.0	Ci-cu., Cu., Ci.
	14	29.1	759.20	29.746	69.2	85.6	75.	.737	70.4	80.2	SW.	2.2	..	.9	Ci-cu., Cu., Ci.
	15	29.5	759.20	29.745	69.3	84.5	74.	.711	69.3	80.9	WSW.	.8	..	.6	Ci-cu., Cu., S.
	16	30.	758.60	29.720	65.6	87.2	74.	.682	68.	76.9	WSW.	.5	..	.2	Ci-cu,, Cu., S.
	17	30.3	758 30	29.705	65.3	85.	72.2	.651	65.	76.1	WSW.	.5	..	.9	N., Ci-cu., Cu., Ci.
	18	30.1	759.10	29.739	69.	81.1	73.1	.715	69.5	87.7	WSW.	..	..	.9	Cu., N., raining; severe storm to *S.*
	19	28.2	758.95	29.741	69.2	77.3	72.6	.739	70.5	93.5	WSW.	..	..	.95	Ci., Ci-cu., Cu., N.
	20	28.8	758.40	29.716	67.4	76.3	71.	.693	68.5	93.	WSW.	.1	..	.9	Ci-cu., Cu.
	21	28.8	758.60	29.724	64.3	73.3	68.2	.630	65.6	92.5	WSW.	.2	..	..	Cu. at Hor.
	22	28.4	759.85	29.756	63.8	71.6	67.6	.628	65.5	95.	SW.	..	..	..	Ci. at Hor.
	23	28.	759.60	29.768	66.3	71.3	68.	.645	66.3	97.	SW.	..	..	.5	Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
30	0	27.7	759.55	29.767	66.	70.7	68.	.651	66.6	97.5	WSW.	..	..	.05	Cu.
	1	27.6	759.90	29.782	65.6	70.1	67.5	.641	66.1	98.8	W.	..	..	..	Clear.
	2	27.3	759.75	29.777	66.4	69.8	67.7	.651	66.6	100.	W.	..	..	..	Clear.
	3	27.1	760.00	29.789	65.4	68.5	66.5	.626	65.4	100.	W.	..	..	.1	Ci-cu.
	4	26.6	760.30	29.802	66.	69.5	67.1	.635	65.9	100.	W.	..	..	.2	Cu.
	5	26.2	760.50	29.813	64.8	70.5	66.8	.614	64.8	96.2	WNW.	..	..	..	Cu., Ci-cu.
	6	25.4	760.75	29.826	....	73.	68.	.626	65.4	92.	WNW.	..	..	..	S., Ci cu.
	7	26.	761.40	29.848	65.3	75.5	68.9	.628	65.5	88.5	NW.	..	..	..	S., Cu.
	8	26.4	761.70	29.859	65.5	77.	69.4	.629	65.6	87.8	WNW.	.5	..	..	Clear.
	9	26.9	761.65	29.854	63.9	79.2	69.5	.608	64.5	84.5	NW.	.3	..	.01	S., Cu.
	10	27.4	761.45	29.843	63.	81.3	68.6	.555	61.8	78.9	NW.	.2	..	.1	S., Cu.
	11	27.7	761.25	29.834	61.6	82.6	69.3	.564	62.3	76.	NW.	.5	..	.1	Cu., Ci.
	12	28.2	761.15	29.829	62.2	84.	70.3	.583	63.3	75.2	WNW.	.4	..	.15	Cu., Ci.
	13	28.6	761.10	29.824	61.	85.5	71.	.593	63.8	73.5	WNW.	.5	..	.4	Cu., Ci., S.
	14	29.2	760.20	29.796	63.	87.	71.5	.592	63.2	74.	WNW.	.3	..	.4	Cu., Ci., S.
	15	29.7	760.95	29.814	62.	87.7	70.	.532	60.5	70.	NW.	.2	..	.4	Cu., S.
	16	30.3	761.15	29.817	58.1	88.7	72.2	.599	64.1	69.2	NNW.	.1	..	.3	Cu., S.
	17	30.8	761.85	29.843	57.2	88.3	70.8	.553	61.7	68.4	NW.	.1	..	.3	Cu., Ci., S.
	18	30.8	762.25	29.854	58.	88.	72.	.599	64.1	69.	NW.	.1	..	.1	Cu., S.
	19	31.	762.55	29.870	64.2	85.7	73.5	.680	67.9	72.5	NW.	.1	..	.2	Ci-cu., S.
	20	31.	762.45	29.866	62.	81.2	71.2	.646	66.4	77.2	.....	..	..	1.0	Cu., Ci., S.
	21	30.6	762.80	20.881	64.	76.	69.4	.640	66.1	85.9	NNW.	..	..	..	Clear.
	22	30.2	762.65	29.876	64.3	76.	69.	.627	65.5	88.	NW.	..	..	..	Clear. [about 10°.
	23	29.8	762.60	29.878	62.5	73.8	68.3	.627	65.5	....	.....	..	..	..	Aurora visible to the *NNE.*, flaming to

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY METEOROLOGICAL OBSERVATIONS,

FROM JULY TO DECEMBER, 1843.

GENERAL NOTES.

On Saturday, August 5, a tornado passed within a quarter of a mile of the observatory, and the force of wind was so great as to exceed the range of the spring, and to break the wire connecting it with the plate of the anemometer. The force required exceeded 42 pounds to the square foot, which was the range of possible movement of the registering arm.

In December, the rain gauge did not register the rate of the fall of rain or snow, but the total quantities were ascertained from time to time, as stated in the tables.

The observations are as in June, 1843.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
1	0	28.4	762.15	29.866	59.	71.5	67.5	.626	65.4	94.	WNW.	..	..	..	Clear.
	1	28.3	762.10	29.864	61.8	69.3	66.3	.611	64.7	98.	WNW.	..	..	..	Clear.
	2	27.8	762.30	29.875	62.5	68.7	66.2	.615	64.9	99.8	WNW.	..	..	..	Clear.
	3	27.7	762.50	29.883	62.4	68.9	65.5	.591	63.7	95.5	WNW.	..	..	..	Cu., light in the *NE.*
	4	27.5	762.70	29.892	63.7	67.	65.1	.587	63.5	100.	WNW.	..	..	.1	S.
	5	26.9	762.80	29.899	60.	68.5	65.2	.585	63.4	96.4	WNW.	..	..	1.0	Ci.
	6	26.	762.20	29.879	62.	70.	65.2	.568	62.5	95.	WNW.	..	..	.8	Ci.
	7	26.9	763 30	29.918	65.	76.3	69.	.624	65.3	85.4	WNW.	..	..	1 0	Ci.
	8	27.3	763.50	29.916	66.	81.6	72.	.669	67.4	81.8	WNW.	..	..	1.0	Ci.
	9	28.2	763.50	29.921	57.1	83.8	70.	.675	67.7	72.5	WNW.	..	..	.3	Ci., S.
	10	30.	763.65	29.918	57.2	86.7	72.8	.643	66.2	72.	WNW.	..	..	.3	Ci., S.
	11	30.	763.10	29.896	59.4	88.	74.3	.684	67.7	73.	W.	..	..	.3	Ci., S.
	12	30.2	763.10	29.896	62.	88.6	74.3	.677	67.8	72.5	SW.	..	..	1.0	Cu., Ci., S.
	13	30.8	762.55	29.870	68.5	90.8	75.4	.695	68.6	72.8	NW.	.03	..	.8	Cu., Ci., S.
	14	31.3	762.50	29.866	66.	91.7	77.	.748	70.9	73.	W.	.01	..	.8	Cu., Ci., S.
	15	32.	762.35	29.857	70.7	93.5	79.	.810	73.3	74.4	S.	..	..	.8	Cu., Ci.
	16	32.4	762.45	29.859	69.2	92.5	78.7	.809	73.3	74.5	S.	..	..	.7	Cu , Ci.
	17	33.	760.80	29.892	71.4	93.7	80.3	.863	78.8	76.	S.	..	..	.4	Ci-cu., Ci., S.
	18	33.2	760.75	29.788	72.	92.3	80.	.865	78.8	77.2	SSW.	..	..	1.0	Ci., S.
	19	33.3	760.35	29.772	72.1	89.5	79.5	.876	78.8	81.2	SSW.	..	..	1.0	Ci., S.
	20	33.	760.50	29.782	70.	85.5	77.3	.831	74.1	85.9	SSW.	.10	..	.5	Cu., S.
	21	32.9	761.00	29.799	68.	81.6	77.1	.863	75.3	87.	S.	..	..	..	Clear.
	22	32.2	760.85	29.798	66.7	78.3	71.1	.674	67.7	88.1	S.	..	..	.1	Cu.
	23	31.8	760.75	29.796	67.5	78.	72.	.709	69.2	90.2	S.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
3	0	28.8	758.55	29.722	63.9	70.3	66.7	.613	64.8	74.2	NNW.	..	..	.70	Cu-s.
	1	28.6	758.80	29.734	58.2	68.8	64.7	.566	62.4	76.	NNW.	1.5	..	.70	Cu-s.
	2	26.4	758.85	29.747	50.4	64.2	56.5	.379	50.4	82.2	NNW.	1.8	..	.40	Cu-s, Cu.
	3	25.9	759.30	29.766	46.	61.2	54.	.347	47.9	82.2	NNW.	.8	..	.40	Ci-cu., S.
	4	25.	759.80	29.790	45.2	59.7	53.	.339	47.2	82.5	NNW.	.1	..	.20	Ci-s.
	5	24.2	761.00	29.841	48.1	58.7	53.	.350	48.1	84.	NNW.	..	..	.10	Cu., S.
	6	24.	761.50	29.861	48.	61.	54.	.350	48.1	82.	NNW.	.5	..	.05	Cu, S.
	7	23.8	762.50	29.901	47.8	62.7	54.8	.350	48.1	80.8	NNW.	1.5	..	.10	Cu., S.
	8	23.7	762.65	29.909	48.	63.7	55.2	.350	48.1	79.7	N.	2.5	..	.30	Cu.
	9	23.8	763.10	29.924	47.9	64.2	56.4	.377	50.3	78.5	N.	1.8	..	.80	Cu.
	10	23.8	763.50	29.940	47.	65.3	56.2	.359	48.8	77.	NNW.	1.5	..	.40	Cu.
	11	24.	763.10	29.923	47.3	66.5	56.2	.346	47.8	73.8	NNW.	1.0	..	.10	Cu.
	12	23.9	762.90	29.917	46.1	71.	56.5	.303	44.	71.	NNW.	1.0	..	.10	Cu.
	13	24.	762.90	29.916	44.1	70.5	57.7	.349	48.1	69.	NNW.	1.5	..	.01	Cu.
	14	23.9	762.70	29.909	44.4	71.	57.	.316	45.2	67.	NW.	.8	..	.01	Cu.
	15	24.1	762.25	29.890	44.	72.	57.7	.320	45.5	64.8	NW.	.6	..	.01	Cu.
	16	24.3	762.60	29.903	40.2	72.8	57.	.296	43.3	62.8	NW.	.3	..	.01	Cu.
	17	24.8	763.10	29.921	41.2	72.7	56.3	.278	41.4	61.	NW.	.6	..	..	Cu. at Hor.
	18	24.8	763.05	29.937	43.2	71.8	57.	.318	45.3	61.8	NNW.	.4	..	..	Cu. at Hor.
	19	24.7	763.90	29.953	44.2	69.6	57.6	.348	47.9	65.9	WNW.	..	..	..	Clear.
	20	24.4	764.55	29.977	44.7	65.2	55.5	.341	47.4	70.	NNW.	..	..	..	Clear.
	21	24.1	765.05	30.078	44.3	64.	54.3	.323	46.8	70.9	NNW.	..	..	..	Clear.
	22	23.6	765.30	30.013	47.	60.6	54.	.355	48.5	77.8	NNW.	..	..	..	Clear.
	23	22.9	765.50	30.019	46.5	57.8	52.2	.339	47.2	82.3	WNW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
4	0	22.4	765.30	30.018	48.	56.5	52.	.350	48.1	85.5	NNW.	..	..	..	
	1	21.5	765.60	30.036	46.1	54.9	50.9	.340	47.3	90.4	NNW.	..	..	..	Clear.
	2	21.1	765.80	30.045	47 4	53.	50.7	.356	48.6	94.4	NNW.	..	..	..	Clear.
	3	20.6	765.95	30.053	46.8	53.9	49.8	.325	46.	94.	NNW.	..	..	..	Clear.
	4	20.	766.00	30.058	46.3	52.2	49.4	.335	46.9	94.	NNW.	..	..	..	Clear.
	5	19.8	766.55	30.082	46.8	52.	49.6	.341	47 3	91.9	NNW.	..	..	..	Clear.
	6	19.7	766.80	30.092	48.6	56.5	52 2	.354	48.4	90.3	NNW.	..	..	..	Clear.
	7	19.8	767.45	30.117	51.2	60.2	55.	.384	50.8	85.9	NNW.	..	..	..	Clear.
	8	20.4	767.75	30.126	51.3	66.2	57.3	.378	50.4	77.	NNW.	..	..	..	Clear.
	9	21.	767.70	30.120	48.2	68.6	58.6	.387	51.1	72.5	W.	..	..	..	Ci.
	10	21.6	767.70	30.117	49.6	69.2	58.7	.383	50.8	73.1	SSW.	..	..	..	Cu.
	11	22.	767.50	30.108	48.9	71.6	60.5	.408	52.6	73.	S.	..	..	..	Cu.
	12	22.5	767.15	30.091	52.	71.8	60.7	.412	52.9	72.2	SSW.	.1	..	.1	Cu.
	13	23.	766.90	30.080	52.	72.5	60.	.383	50.7	71.3	SW.	.3	..	.1	Cu.
	14	23.3	766.40	30.058	51.	73.5	61.2	.406	52.4	71.2	SW.	.5	..	.2	Cu., S.
	15	23.5	765.60	30.025	50.2	73.2	63.	.464	56.4	71.4	SSW.	1.2	..	.4	Cu., Ci.
	16	24.	765.50	30.018	51.	74.2	62.4	.435	54.5	72.	SW.	.2	..	.8	Cu., Ci.
	17	24.1	764.80	29.991	49.	74.3	62.2	.427	53.9	71.8	. ....	1.1	..	.6	S., Ci.
	18	24.5	765.30	30.009	52.	75.4	62.7	.430	54.2	73.8	S.	.3	..	.7	S., Ci.
	19	24.4	765.30	30.009	52.7	70.5	61.	.435	54.5	75.5	SW.	.2	..	.6	S., Ci.
	20	24.	764.95	29.997	55.3	66.	59.5	.442	55.	83.7	SSW.	.1	..	.3	Ci cu., Ci.
	21	23.8	764.45	29.978	55.5	64.5	59.	.444	55.1	85 5	S.	..	..	.5	Ci-cu., Ci.
	22	23.8	764.65	29.986	57.9	64.5	58.9	.441	54.9	86.	SSW.	..	..	.8	Ci-cu., Ci.
	23	23.	764.08	29.967	58.	64.7	58.9	.439	54.8	86.	SSW.	.2	..	.4	

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
5	0	22.7	764.00	29.966	55.5	65.5	59.5	.447	55.3	86.	SSW.	.8	..	.3	Ci., Ci s.
	1	22.5	763.55	29.949	55.9	65.1	59.2	.443	55.	86.4	SW.	.2	..	.8	Cu.
	2	22.2	763.00	29.928	50.8	65.4	60.5	.477	57.2	86.	SW.	.18	..	1.0	Cu.
	3	22.1	762.55	29.912	54.	65.1	61.	.495	58.3	87.	SW.	.2	..	.8	Cu., Cu-s.
	4	22.	762.85	29.923	51.4	65.1	60.9	.492	58.2	87.2	SW.	.2	..	.9	Cu., S.
	5	21.8	762.35	29.906	58.	65.	61.	.496	58.4	87.4	SW.	.2	..	1.0	Cu., S.
	6	21.6	762.30	29.904	58.8	65.2	61.6	.512	59.4	87.4	SW.	.1	..	1.0	Cu., S.
	7	21.5	762.50	29.914	59.	66.2	61.5	.497	58.5	87.4	SW.	.4	..	1.0	Ci-cu., Cu., S.
	8	21.7	762.60	29.916	58.7	67.5	62.5	.512	59.4	87.4	SW.	.2	..	1.0	Ci-cu., Cu., S.
	9	22.	762.60	29.915	57.2	72.2	65.7	.559	62.	86.	SW.	..	..	.4	Ci-cu., Cu., S.
	10	22.8	762.60	29.911	61.	76.	65.7	.517	59.6	81.9	WSW.	..	..	.4	Ci-cu., Cu., S.
	11	23.7	762.65	29.909	60.2	79.2	66.4	.502	58.8	75.4	WSW.	..	..	.6	Ci., Cu., S.
	12	24.2	762.40	29.896	60.	79.2	66.5	.506	59.	76.1	WNW.	1.0	.01	.8	Ci , Cu., S., Ci cu.
	13	24.6	762.60	29.902	59.	76.7	66.2	.525	60.1	78.6	WNW.	.3	..	1.0	N., S.
	14	24.7	762.60	29.902	61.	72.8	66 2	.568	62.5	85.8	WNW.	..	..	1.0	Cu-s., S., Cu.
	15	24.9	762.60	29.900	61.8	71.2	65.	.548	61.4	86.	NW.	..	..	1.0	Cu-s., Cu.
	16	24.9	762.40	29.892	59.4	69.7	64.6	.552	61.6	86.	NNW.	..	..	1.0	Cu-s., S., Cu.
	17	24.9	762.45	29.895	58.1	71.5	64.	.513	59.4	85.5	NNE.	.08	..	1.0	Cu-s., S., Cu.
	18	24.9	762.80	29.909	56.1	70.9	62 2	.466	56.5	83.9	N.	.06	..	1.0	Cu-s., S., Cu.
	19	24.7	763.00	29.917	58.1	70.	63.	.500	58.6	84.8	N.	..	..	1.0	Cu-s., N., S., Cu.
	20	24.8	762.85	29.912	59.	67.8	63.	.524	60.	86.1	N.	..	.20	1.0	Cu-s., N., S., Cu.
	21	24.9	763.35	29.929	58.9	67.7	62.5	.510	59.2	86.1	N.	..	..	1.0	Cu.
	22	24.6	763.60	29.941	56.	66.6	60.6	.467	56.6	86.1	N.	..	..	1.0	Cu.
	23	24.3	764.10	29.962	53.	65.8	58.7	.421	53.5	85.3	N.	..	..	.9	Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
6	0	24.	764.20	29.967	50.4	62.6	56.	.384	50.8	84.5	N.	..	..	.10	Cu.
	1	23.2	764.25	29.973	47.	60.7	53.7	.345	47.7	83.	N.	..	..	.10	Cu.
	2	22.6	764.35	29.981	47.6	57.5	53.	.364	49.3	86.	N.	..	..	..	Clear.
	3	22.	764.30	29.982	46.	56.3	51.2	.332	46.6	86.	N.	..	..	..	Clear.
	4	21.3	764 35	29.987	44.4	54.5	50.2	.328	46 2	86.	N.	..	..	.30	Ci-s., Cu.
	5	20.9	764.50	29.995	43.	55.4	50.	.313	44.9	86.1	N.	..	..	.10	Ci-s., Cu.
	6	20.4	764.80	30.010	45.	57.8	51.2	.315	45.1	83.8	NNW.	.1	..	.04	Ci-cu., S.
	7	20.3	765.10	30.021	45.5	61.2	52.7	.314	45.	81.5	NW.	.4	..	.03	S.
	8	20.5	765.30	30.127	46.8	64.	55.	.341	47.4	80.1	NW.	.2	..	..	Clear.
	9	21.1	765.20	30.021	50.	67.6	57.2	.359	48.9	77.3	NW.	.1	..	..	Clear.
	10	21.3	765.20	30.020	46.6	70.	57.5	.341	47.4	72.5	NNW.	.5	..	..	Clear.
	11	21.8	765.30	30.022	45 8	71.9	58.8	.356	50.4	75.5	NNW.	.6	..	..	Cu.
	12	22.1	764.95	30.006	46.5	74.	59.5	.353	48.4	68.	NNW.	.6	..	..	Cu.
	13	22.5	764.65	29.993	49.	75.2	60.7	.374	50.1	68.5	WNW.	.3	..	.10	Cu.
	14	23.	764.60	29.989	50.	76.	59.7	.335	46.8	67.	NW.	.3	..	.10	Cu.
	15	23.5	764.15	29.968	46.3	77.8	60.2	.330	46.4	62.7	NW.	.3	..	.10	Ci., Cu., Ci-s.
	16	24.2	763.80	29.951	47.5	79.	61.5	.354	48.4	62.5	WNW.	.2	..	.20	Ci., Cu., S.
	17	24.7	763.80	29.949	....	79.5	61.6	.351	48.2	62.5	WNW.	.2	..	.30	Ci., Cu., S.
	18	25.2	763.75	29.944	50.	76.2	62.2	.406	52.5	66.9	W.	.2	..	.60	Ci , Cu., Ci s.
	19	25.3	764.10	29.958	47.6	74.2	62.	.422	53.6	69.4	W.	.2	..	.40	Ci., Cu., Ci s.
	20	25.1	764.10	29.959	49.8	69.7	61.	.444	55.1	76.	W.	..	..	.01	Ci., Cu., Ci-s.
	21	25.	764.75	29.985	48.6	67.4	55.6	.400	52.	78.8	WNW.	..	..	..	Clear.
	22	24.6	765.05	29.998	51.8	63.5	57.9	.425	53.8	81.	WNW.	..	..	..	Clear.
	23	24.1	764.70	29.987	51.8	60.6	56.4	.417	53.2	88.5	WNW.	..	..	.08	Ci., S.

DAILY METEOROLOGICAL OBSERVATIONS

| Day. | Hour. | Barometer. | | Thermometers. | | |

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
8	0	29.7	759.65	29.762	68.8	70.4	69.	.688	68.3	99.	SW.	..	..	1.0	Ci-s.
	1	26.2	759.65	29.779	68.8	70.4	69.2	.695	68.6	99.5	SW.	..	..	.1	Ci s.
	2	26.2	759.75	29.783	65.	68.8	67.	.639	66.	99.	SW.	..	..	..	Clear.
	3	25.8	760.00	29.794	64.5	67.9	65.6	.616	64.9	98.	SW.	..	..	.02	Cu.
	4	25.4	760.30	29.809	63.5	68.8	64.7	.566	62.4	93.2	WSW.	..	..	.7	Ci-s., Cu., Ci-cu.
	5	24.9	760.75	29.838	60.7	67.2	64.3	.571	62.6	93.9	WNW.	..	..	.8	Cu., Ci-cu.
	6	24.4	761.00	29.840	62.3	67.3	63.6	.548	61.4	91.8	WNW.	..	..	.9	Cu., Ci-cu.
	7	24.4	761.45	29.858	62.	69.5	64.4	.548	61.9	90.2	WNW.	..	..	.8	Cu., Ci-cu.
	8	24.8	761.70	29.867	59.	71.5	62.3	.462	56.3	78.8	WNW.	..	..	.9	Ci-cu., Cu., S.
	9	25.2	761.75	29.866	55.8	73.	61.5	.421	53.5	73.8	WNW.	..	..	.8	Cu-s., S.
	10	25.5	761.70	29.862	57.9	75.2	63.7	.462	56.3	73.5	W.	..	..	.9	Cu-s., S.
	11	25.9	761.50	29.853	59.7	76.	65.3	.505	58.9	75.4	W.	..	..	.9	Cu-s., Ci-cu., Cu.
	12	26.2	761.35	29.816	60.6	77.1	66.2	.522	59.8	75.3	WSW.	.2	..	.9	Cu-s., Ci-cu., Cu.
	13	26.5	760.75	29.822	57.4	78.5	66.6	.520	59.8	73.	WSW.	.2	..	.9	Cu-s., Ci-cu., Cu.
	14	27.	760.70	29.817	56.5	79.6	66.7	.511	59.3	72.2	WSW.	.4	..	.6	Cu-s., Ci-cu., Cu.
	15	27.	760.30	29.801	55.	81.	66.7	.495	58.3	71.2	WSW.	.5	..	.8	Cu-s., Ci-cu., Cu.
	16	27.5	759.95	29.784	54.3	81.5	67.2	.506	59.	70.	WSW	.4	..	.4	Cu-s., Ci-cu., Cu.
	17	27.6	759.85	29.780	59.1	80.5	68.3	.554	61.7	72.	SW.	.4	..	.5	Cu-s., Ci-cu., Cu.
	18	27.8	759.95	29.783	60.5	78.6	68.6	.585	63.4	76.5	WSW.	.2	..	.4	Cu-s., Ci-cu., Cu.
	19	27.9	760.25	29.795	60.9	75.9	66.4	.540	61.	78.3	SW.	.3	..	.3	Cu-s., Ci-cu., Cu.
	20	27.4	760.55	29.808	58.3	72.6	65.7	.533	60.6	82.2	SW.	.1	..	.01	Ci-s. at Hor.
	21	27.	760.80	29.821	56.7	70.9	64.2	.527	60.2	83.9	SW.	..	..	..	Clear.
	22	26.8	761.15	29.835	56.3	68.8	62.7	.505	58.9	85.5	SW.	..	..	..	Clear.
	23	26.3	761.30	29.843	56.4	67.	62.3	.513	59.4	88.9	SW.	..	..	..	Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
10	0	26.	760.95	29.831	61.3	69.	65.5	.589	63.6	95.3	SSW.	..	..	1.0	Ci-cu., Cu.
	1	25.9	760.15	29.800	62.	67.5	64.5	.574	62.8	97.9	SSW.	..	..	1.0	Cu-s.
	2	25.5	760.05	29.797	63.5	67.	64.6	.583	63.3	97.8	SSW.	..	..	1.0	Ci-s., Cu-s.
	3	25.2	759.75	29.787	62.	66.9	64.	.565	62.3	97.4	SSW.	..	..	1.0	Ci-s., Cu-s.
	4	25.6	759.50	29.775	62.2	67.	64.3	.573	62.7	98.	SSW.	..	..	1.0	Ci-s., Cu-s., Cu.
	5	24.9	759.45	29.776	62.8	67.2	64.5	.577	63.	98.2	SSW.	..	..	1.0	Ci-cu., Cu-s., Ci.
	6	25.	759.50	29.778	66.8	71.	68.5	.665	67.3	96.8	SSW.	..	..	1.0	Cu-s., S.
	7	25.	759.35	29.772	68.2	73.	70.	.694	68.6	95.	SSW.	..	..	1.0	Cu-s., S.
	8	25.2	759.40	29.773	69.4	74.5	71.	.612	64.7	95.	S.	..	..	1.0	Cu-s., S.
	9	25.6	758.90	29.752	70.	76.5	73.3	.774	71.9	94.5	S.	..	..	1.0	Cu s.
	10	25.8	758.90	29.751	69.2	77.	72.9	.753	71.1	93.5	S.	..	..	1.0	Cu-s.
	11	26.2	758.90	29.750	70.2	76.5	72.5	.744	70.7	91.	S.	..	..	1.0	N., Cu-s., raining.
	12	26.2	758.50	29.734	68.	78.5	72.5	.722	69.8	91.	SSW.	..	..	1.0	Cu-s.
	13	26.7	758.55	29.733	66.7	78.9	72.	.699	68.8	87.5	SW.	..	..	1.0	Cu-s.
	14	26.9	758.00	29.710	66.	79.6	72.6	.714	69.4	86.3	WSW.	..	..	1.0	Cu s., S.
	15	27.1	757.50	29.691	65.9	79.2	72.6	.718	69.6	86.5	W.	..	..	1.0	Cu-s., S.
	16	27.3	757.50	29.689	66.4	79.	72.2	.706	69.1	86.5	W.	..	..	1.0	Cu-s., S.
	17	27.6	757.10	29.672	66.	79.6	72.	.691	68.4	85.1	W.	..	..	.9	Cu., Ci cu., S.
	18	27.8	757.20	29.675	66.	79.7	72.3	.702	68.9	85.3	WNW.	..	..	.8	Cu., Ci-cu., S.
	19	27.9	757.35	29.681	69.	78.3	72.9	.739	70.5	88.6	W.	..	..	.9	Cu., Ci-cu., S.
	20	27.5	757.65	29.694	69.5	75.1	71.3	.716	69.5	93.6	WSW.	..	..	.9	Cu., Ci-cu.
	21	27.4	758.40	29.723	70.	74.	71.2	.725	69.9	95.1	WSW.	..	..	1.0	Cu., Ci-cu.
	22	27.4	758.20	29.715	68.5	73.5	71.2	.731	70.2	96.3	WSW.	..	..	1.0	Cu., Ci-s.
	23	27.1	758.55	29.733	69.7	72.8	71.	.731	70.2	96.9	WSW.	..	..	.9	Cu., Ci-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetrs.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
11	0	26.5	758.80	29.745	68.1	71.5	70.	.711	69.3	97.	WSW.	..	..	.3	Ci., Ci-cu.
	1	26.1	758.55	29.736	67.2	70.3	69.	.690	68.4	97.	WSW.	..	..	.1	Ci-s., Ci-cu.
	2	25.5	758.80	29.748	67.6	69.5	68.	.665	67.3	97.	WSW.	..	..	.3	Cu., Ci-cu.
	3	25.3	759.10	29.761	67.	69.	67.7	.660	67.	97.	WSW.	..	..	.6	Cu., Ci-cu.
	4	25.1	759.10	29.762	66.	68.9	66.6	.626	65.4	97.2	WSW.	..	..	.8	Ci-s., Ci-cu.
	5	24.7	759.60	29.784	63.	68.4	65.3	.589	63.6	95.2	W.	..	..	1.0	Cu., Cu-s.
	6	24.3	759.85	29.795	62.	69.	64.5	.557	61.9	92.1	NW.	..	..	.95	Cu., Ci-cu., Cu-s.
	7	24.4	760.40	29.817	61.6	69.5	64.5	.552	61.6	91.7	NNW.	..	..	1.0	Cu., Ci-cu., Cu-s.
	8	24.4	761.05	29.842	61.3	70.3	64.5	.543	61.1	89.4	N.	..	..	1.0	Cu., N., raining.
	9	24.5	761.40	29.856	62.3	69.4	64.5	.553	61.7	91.7	N.	.2	.03	1.0	N., raining.
	10	24.3	761.50	29.860	63.2	66.5	64.	.570	62.6	97.2	NNE.	.5	.09	1.0	N., raining.
	11	23.9	761.50	29.862	62.2	65.	63.1	.559	62.	98.	NE.	..	.12	1.0	N., raining.
	12	23.4	761.50	29.865	62.1	63.5	61.6	.531	60.4	98.5	NNE.	2.0	.08	1.0	Cu., N., raining.
	13	23.	761.40	29.863	61.6	63 1	61.7	.538	60.8	98.5	NE.	2.0	.14	1.0	N., raining.
	14	22.5	761.60	29.873	62.4	63.6	62.6	.559	62.	98.6	NE.	.6	.11	1.0	N., raining.
	15	22.4	761.40	29.865	62.3	64.8	63.5	.573	62.7	98.4	NE.	.5	.01	1.0	Cu-s., N., raining.
	16	22.8	761.40	29.864	62.	65.9	63.6	.563	62.2	97.4	NE.	.3	..	1.0	Cu-s., S., Cu.
	17	22.6	762.00	29.888	61.9	66.5	63.	.539	60.9	96.8	NE.	.1	..	1.0	Cu-s., Cu.
	18	22.5	762.65	29.914	62.	66.4	63.7	.562	62.2	96.9	NE.	..	..	1.0	Cu-s., Cu.
	19	22.4	763.00	29.927	62.	66.1	63.4	.557	61.9	96.4	NNE.	..	..	1.0	Cu-s., S., Cu.
	20	22.3	763.05	29.938	60.7	65.2	62.4	.536	60.7	96.2	N.	..	..	1.0	Cu-s., S., Cu.
	21	22.3	763.40	29.944	60.3	64.1	61.8	.529	60.3	96.8	N.	..	..	.7	Ci., Cu.
	22	21.9	764.05	29.972	62.	62.2	61.5	.542	61.1	98.5	N.	..	..	.6	Ci., Ci-s., Ci-cu.
	23	21.9	764.55	29.992	62.	62.	61.5	.544	61.2	98.7	N.	..	..	.9	Ci., Ci-s., Ci-cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
12	0	21.7	764.75	30.001	62.	63.1	61.7	.538	60.8	98.6	N.	..	..	1.0	Ci., Ci-cu., Ci s.
	1	21.5	764.75	30.003	60.8	62.5	61.1	.527	60.2	98.8	N.	..	..	.9	Cu., Ci-cu., Ci-s.
	2	21.3	764.80	30.005	60.6	64.	61.	.507	59.1	97.5	N.	..	..	1.0	Cu., Cu-s., S.
	3	21.2	765.25	30.023	60.	62.8	60.8	.515	59.5	98.	N.	..	..	1.0	Cu-s.
	4	21.1	765.60	30.037	59.6	62.5	60.6	.513	59.4	97.8	N.	..	..	1.0	Ci., Cu-s., Ci-cu.
	5	21.2	766.00	30.053	59.	62.6	60.5	.509	59.2	96.3	N.	..	..	1.0	Cu., Cu-s., Ci-cu.
	6	20.7	767.05	30.096	59.2	63.5	60.5	.498	58.5	95.	N.	..	..	1.0	N., Cu-s , raining.
	7	20.8	767.50	30.113	59.4	64.	61.	.507	59.1	95.9	N.	..	..	1.0	N., Cu-s., raining.
	8	20.8	768.05	30.135	59.7	64.7	61.8	.523	60.	95.9	N.	..	..	1.0	N., raining.
	9	21.	768.00	30.132	59.	66.2	62.6	.530	60.4	93.3	N.	..	..	1.0	Cu-s.
	10	21.2	768.15	30.138	57.	67.6	62.2	.501	58.7	89.5	NNE.	.25	.005	1.0	Cu-s.
	11	21.5	768.40	30.147	56.5	68.8	63.	.513	59.4	88.2	NE.	.10	..	1.0	Cu-s.
	12	21.8	768.40	30.145	58.2	69.5	63.7	.526	60.2	88.2	NE.	..	..	1.0	N., Cu s , Cu.
	13	22.	768.80	30.160	59.1	70.4	64.5	.541	61.	88.	ENE.	..	..	1.0	S., Cu-s., Cu.
	14	22.2	768.55	30.148	60.3	69.1	64.6	.559	62.	91.	ENE.	..	.015	1.0	S., N., Cu.
	15	22.2	769.00	30.165	60.	69.4	65.	.568	62.5	92.5	NE.	..	.015	1.0	S., N., Cu-s.
	16	22.5	769.00	30.162	60.2	69.6	64.3	.544	61.2	89.6	NE.	..	..	1.0	S., Cu s., Cu.
	17	22.5	768.75	30.153	62.7	69.2	64.6	.558	61.9	92.2	ENE.	..	..	1.0	S., Cu s., N., Cu.
	18	22.5	769.05	30.164	60.3	68.8	64 7	.565	62.3	92.9	E.	..	..	1.0	Ci-cu., Cu-s., Cu.
	19	22.3	769.40	30.179	58.8	67.5	63.2	.534	60.6	92.1	ESE.	..	..	1.0	Ci., Cu-s., Cu.
	20	22.2	769.65	30.189	58.4	66.7	63.1	.540	61.	94.	ESE.	..	..	1.0	S., Cu-s , Ci-s.
	21	22.2	770.45	30.220	57.9	66.4	62.9	.537	60.8	93.6	ESE.	..	..	1.0	S., Ci-s.
	22	22.2	770.40	30.218	62.2	66.	63.3	.554	61.7	95.5	ESE.	..	..	1.0	S., Cu-s.
	23	22.3	770.35	30.220	60.3	64.5	62.5	.546	61.3	....	ESE.	..	..	1.0	S., Cu s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
13	0	21.9	769.90	30.201	61.	65.	62.4	.538	60.8	96.8	SSE.	..	..	1.0	Cu., Cu-s.
	1	21.9	770.05	30.206	60.2	65.	61.9	.522	59.9	96.	E.	..	..	1.0	S., Cu-s.
	2	21.8	769.90	30.202	60.2	65.1	62.	.524	60.	96.	E.	..	..	1.0	S., Cu-s.
	3	21.7	770.00	30.205	60.2	65.	61.5	.511	59.3	95.	E.	..	..	1.0	S., Cu-s.
	4	21.5	770.05	30.209	60.	64.9	61.2	.503	58.8	95.	E.	..	..	1.0	S., Cu., Cu-s.
	5	21.4	770.60	30.231	59.4	64.9	61.6	.515	59.5	94.5	E.	..	..	1.0	S., Cu., Cu-s.
	6	21.4	771.20	30.255	59.8	64.6	61.5	.515	59.5	96.	ENE.	..	.005	1.0	N., raining, Cu-s.
	7	21.3	771.55	30.269	60.8	65.3	62 8	.546	61.3	97.	ENE.	..	.010	1.0	N., raining.
	8	21.3	771.75	30.277	61.8	65.7	63.3	.557	61.9	98.2	E.	..	.020	1.0	N., raining.
	9	21.5	771.80	30.279	60.8	66.2	63.5	.558	61.9	98.5	E.	..	.005	1.0	Cu., Cu s.
	10	21.5	771.85	30.281	60.2	67.7	64.	.556	61 8	95.5	ENE.	.10	..	1.0	Cu., S., Cu-s.
	11	21.6	771.85	30.279	60.8	68.	64.4	.565	62.3	96.2	E.	.05	..	1.0	Cu., S., Cu-s.
	12	21.9	771.80	30.276	60.	68.	64	.552	61.1	95.3	E.	.10	..	1.0	Cu., S., Cu-s.
	13	22.	771.80	30.276	58.8	68.7	63.8	.536	60.7	92.1	ENE.	.50	..	1.0	Cu., S., Cu-s.
	14	22.	771.95	30.282	59.5	69.4	64.5	.552	61.6	92.	ENE.	.10	..	1.0	S., Cu-s.
	15	22.1	771.75	30.274	59.8	71.	65.7	.573	62.7	91.1	ENE.	..	..	1.0	N., raining, S.
	16	22.5	771.45	30.259	58.7	69.5	63.7	.526	60.2	90.5	NE.	.03	..	1.0	Cu., S., Cu-s.
	17	22.7	771.25	30.250	58.3	69.5	63.6	.525	60.1	90.2	ENE.	.04	..	1.0	Cu., S., Cu-s.
	18	22.5	771.20	30.249	58.	67.1	61.6	.489	58.	90.4	ENE.	.10	..	1.0	Cu., Cu-s.
	19	22.3	771.35	30.256	57.8	66.1	61.6	.501	58.7	92.3	ENE.	.04	..	1.0	Cu., S., Cu-s.
	20	22.	770.90	30.240	58.3	65.5	61.4	.501	58.7	93.1	ENE.	..	..	1.0	S., Cu-s.
	21	22.3	771.25	30.252	62.	65.2	62.	.523	60.	95.8	ENE.	..	..	1.0	S., Cu s.
	22	22.	771.20	30.252	60.	65.	62.3	.535	60.7	96.1	ENE.	..	..	1.0	S., Cu-s.
	23	22.1	771.25	30.254	59.1	65.	62.	.525	60.1	....	ENE.	..	..	1.0	S., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
14	0	21.7	771.00	30.245	58.9	65.	62.1	.529	60.3	96.	ENE.	..	..	1.0	S., Cu-s.
	1	21.7	770.65	30.231	59.8	65.	62.	.525	60.1	96.	ENE.	..	..	1.0	S., Cu-s.
	2	21.6	770.30	30.217	59.4	64.9	61.6	.512	59.4	95.	ENE.	..	..	1.0	S., Cu s.
	3	21.6	770.25	30.215	59.	64.5	61.6	.520	59.8	97.	ENE.	..	..	1.0	S., Cu-s.
	4	21.5	770.45	30.225	59.6	64.	61.6	.525	60.1	97.8	ENE.	..	..	1.0	N., drizzling.
	5	21.5	770.65	30.233	60.5	63.	61.4	.530	60.4	100.	NE.	..	..	1.0	S., Cu-s.
	6	21.	770.60	30.232	60.8	63.8	62.	.539	60.9	99.3	NE.	..	..	.8	Cu., Cu-s.
	7	21.3	770.50	30.227	61.2	67.8	63.8	.548	61.4	94.2	NE.	..	..	.1	Ci-cu., Ci-s.
	8	21.8	770.40	30.221	62.2	70.3	65.8	.584	63 3	92.2	NE.	..	..	1.0	Cu.
	9	22.4	770.20	30.209	60.	70.9	65.8	.577	63.	92.	ESE.	..	..	1.0	Cu-s.
	10	22.5	770.20	30.209	61.	71.6	66.2	.582	63.2	90.	SSW.	..	..	1.0	Cu s.
	11	23.2	770.25	30.207	63.2	72.3	66.7	.590	63.6	90.3	SW.	..	..	1.0	Cu s.
	12	23.5	769.65	30.183	63.8	74.3	67.7	.600	64.1	89.2	WSW.	..	..	1.0	Cu-s.
	13	23.8	769.60	30.179	64.3	74.6	68.	.607	64.5	89.	WSW.	..	..	1.0	Cu.
	14	23.8	769.00	30.155	64.9	75.2	68.7	.624	65.3	89.2	W.	..	..	1.0	Cu.
	15	24.5	768.60	30.138	65.	76.	69.5	.642	66.2	88.8	W.	..	..	.9	Cu.
	16	25.	768.00	30.113	65.5	77.6	69.5	.624	65.3	85.4	W.	..	..	.8	Cu.
	17	25.4	767.50	30.092	65.8	76.7	68.8	.610	64.6	85.9	WNW.	..	..	.2	Cu., Ci.
	18	25.5	767.10	30.074	65.8	75.6	69.1	.633	65.8	88.4	W.	..	..	1.0	Ci-s., Cu., Ci.
	19	25.4	766.75	30.063	66.	74.1	69.1	.650	66.6	90.7	W.	..	..	1.0	Ci-cu., Ci.
	20	25.2	766.70	30.061	65.6	71.5	68.	.642	66.2	94.2	W.	..	..	.2	Cu., Ci.
	21	25.2	767.15	30.048	65.9	69.7	67.	.629	65.6	96.1	W.	..	..	.3	Cu., Ci.
	22	24.7	766.90	30.072	65.	68.5	66.5	.626	65.4	98.	W.	..	..	.3	Cu., Ci.
	23	24.5	766.65	30.063	66.7	69.	67.	.637	66.	97.8	W.	..	..	.8	Ci-s., S., N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
15	0	24.3	766.45	30.054	65.8	69.2	67.6	.654	66.8	97.8	WSW.	..	..	1.0	Cu., Cu-s.
	1	24.3	765.70	30.025	66.	70.	68.	.659	67.	97.8	WSW.	..	..	1.0	Cu., N., raining.
	2	24.1	765.25	30.008	66.8	69.2	67.9	.664	67.2	99.2	SW.	..	..	1.0	Cu.
	3	24.1	764.80	29.991	67.2	69.	67.6	.656	66.8	99.	SW.	..	..	.9	Cu., Ci-cu.
	4	23.9	765.00	29.999	66 8	68.7	67.4	.653	66.7	99.	SW.	..	..	1.0	Cu., Cu-s.
	5	23.8	765.20	30.007	65.4	68.	66.4	.628	65.5	99.	SW.	..	..	1.0	Cu., S., *NNE.*
	6	23.6	765.15	30.007	66.4	69.7	67.8	.656	66.8	99.	SW.	..	..	1.0	(1) Ci-cu., Cu-s., *SW.*; (2) Cu., *NNE.*
	7	23.6	765.20	30.009	67.3	70.5	68.5	.670	67.5	98.5	SW.	..	..	1.0	Cu., *NE.*
	8	23.8	765.10	30.003	68.	73.3	70.	.690	68.4	96.	SW.	..	..	1.0	Cu., Ci-cu.
	9	24.4	765.00	29.997	68.2	75.4	71.3	.713	69.4	94.6	WSW.	..	..	1.0	Cu., Cu s.
	10	25.	765.75	30.021	68.6	76.3	71.7	.717	69.6	92.2	W.	..	..	.8	Cu , Cu-s., Ci cu.
	11	25.5	765.00	29.991	67.	79.5	72.	.692	68.5	85.2	WNW.	..	..	.9	Cu., S., Ci.
	12	26.2	764.50	29.970	67.4	81.2	72.7	.699	68.8	83.8	NW.	..	..	.9	Cu., S.
	13	26.6	763.45	29.925	68.9	81.6	72.2	.677	67.8	83.3	WNW.	..	..	1.0	Cu., S., Ci.
	14	27.	763.45	29.924	65.	83.5	72.2	.657	66.0	77.2	WNW.	..	..	1.0	Cu., S., Ci.
	15	27.2	763.20	29 912	69.4	79.2	72.7	.721	69.8	88.5	WNW.	..	..	1.0	N., raining.
	16	27.	763.00	29.906	65.4	70.4	67.8	.648	66.5	97.2	N.	4.0	.8	.8	N., Cu-s.
	17	26.6	763.00	29.907	66.	68.5	67.5	.659	67.	97.2	.....	..	..	.95	Ci-cu., Ci., Cu s.
	18	26.6	763.25	29.917	68.	70.	68.2	.666	67.3	97.5	NW.	..	..	.93	Ci., Cu-s.
	19	26.2	763.30	29.922	67.	70.6	68.5	.669	67.4	97.	NW.	..	..	.7	Cu-s., Cu., Ci., Ci-cu.
	20	25.9	762.55	29.894	65.4	69.3	67.	.645	66.3	98.5	NW.	..	..	.3	Ci., Ci-cu.
	21	25.6	763.00	29.912	65.5	67.4	66.3	.632	65.7	98.5	NW.	..	..	..	Ci-cu.
	22	25.4	763 20	29.922	65.5	67.	65.9	.624	65.3	98.5	NW.	..	..	.1	S., Ci-cu.
	23	24.8	763.25	29.927	64.3	65.3	64.4	.595	63.9	98.5	NW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Ob'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
17	0	23.5	763.70	29.950	62.8	65.7	64 5	.594	63.8	97.	SE.	..	..	1.0	Cu.
	1	23.5	763.35	29.936	64.	66.6	65.4	.612	59 4	97.	SE.	..	..	1.0	Cu.
	2	23.4	763.30	29.935	64.2	66.5	65.2	.606	64.4	97.	SE.	..	..	1.0	Cu.
	3	23.3	763.20	29.931	65.	66.3	65.5	.619	65.1	97.	SSE.	..	..	1.0	S., foggy.
	4	23.2	763.35	29.937	65.	66.5	65.6	.620	65.1	97.	SSE.	..	..	1.0	S., foggy.
	5	23.	763.65	29.951	65.3	67.	66.	.627	65.5	97.2	SSE.	..	..	1.0	S., foggy.
	6	22.8	763.65	29.952	65.6	67.5	66.4	.634	65.8	97.3	SSE.	..	..	1.0	S.
	7	22.8	763.80	29 958	66.6	68.7	67.4	.653	66.7	97.2	SSE.	..	..	1.0	S.
	8	22.7	763.60	29.950	65.7	70.4	68.8	.681	68.	97.	SSE.	..	..	1.0	S.
	9	23.2	763.40	29.939	67.4	73.3	71.1	.729	70.1	94.	SSE.	..	..	1.0	Cu., Cu s., Ci cu.
	10	23.5	763.35	29.944	66.	77.	72.2	.728	70.	91.	S.	.20	..	1.0	Cu., Cu s.
	11	24.1	763.40	29.935	64.8	78.5	71.4	.683	68.1	88.	S.	.30	..	1.0	Cu., Cu-s.
	12	24.5	763.15	29.924	66.4	75.2	71.	.705	69.1	91.5	SSW.	.30	.010	1.0	N., Cu s.
	13	24.5	763.15	29.924	66.6	73.7	71.	.721	69.7	91.9	SSW.	..	.030	1.0	Cu-s.
	14	24.6	762.75	29.908	68.	73.7	71.	.721	69.7	94.	S.	.20	.650	1.0	N., Cu-s.
	15	25.2	762.00	29 875	69.4	77.	73.7	.782	72.3	94.	SSE.	.30	.005	.7	Cu., Cu-s.
	16	25.3	761.80	29.868	69.2	77.7	73.5	.767	71.6	93.4	SSE.	.20	..	1.0	Cu-s.
	17	25.8	761.50	29.853	68.8	77.5	72.6	.737	70.4	94.	S.	..	..	1.0	Cu s.
	18	25.6	761.55	29.856	68.6	75.6	71.5	.718	69.6	93.7	S.	.01	..	1.0	Cu-s.
	19	25.5	761.65	29.860	65.4	75.	70.1	.675	67.7	91.5	SSE.	..	..	1.0	Cu-s.
	20	25.4	761.75	29.866	67.2	74.	70.	.683	68.1	92.8	S.	..	..	1.0	Cu., Cu s.
	21	25.4	761.90	29.872	68.4	72.5	69.6	.686	68.2	95.8	SSE.	.01	..	.1	Cu-s.
	22	25.3	761.40	29.852	68.1	71.4	69.5	.694	68.6	97.4	SSE.	..	..	..	Cu-s.
	23	25.1	761.20	29.845	68.4	70.6	69.3	.697	68.7	97.5	S.	..	..	.3	S., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
18	0	24.7	760.60	29.824	69.5	72.	70.6	.726	70.	97.5	S.	..	..	1.0	S., foggy.
	1	24.9	760.10	29.802	70.	71.8	70.5	.725	69.9	97.2	S.	..	..	1.0	Cu.
	2	24.8	759.50	29.780	70.3	72.	71.	.740	70.6	97.5	S.	..	..	1.0	Cu.
	3	24.8	758.75	29.751	72.2	72.7	71.8	.760	71.4	97.5	S.	..	..	1.0	Cu.
	4	24.8	758.75	29.751	72.4	72.7	72.	.767	71.7	97.5	SSW.	..	..	1.0	S., foggy, drizzling.
	5	24.8	759.25	29.770	71.5	73.	72.	.764	71.5	97.	SW.	..	..	1.0	S., foggy.
	6	24.8	759.15	29.766	72.4	73.6	72.8	.788	72.5	97.	WSW.	..	..	1.0	S.
	7	25.	759.25	29.768	72.6	75.	73.5	.798	72.9	97.	WSW.	..	..	1.0	S., Cu.
	8	25.	759.40	29.774	72.2	75.5	73.5	.792	72.6	96.4	WSW.	..	..	1.0	Ci-cu., Cu.
	9	25.5	759.36	29.767	72.5	79.	74.5	.790	72.6	93.4	WSW.	..	..	.9	S., Cu.
	10	26.	759.10	29.757	73.5	80.3	75.3	.807	73.2	91.8	WSW.	..	..	.4	Cu.
	11	26.8	759.05	29.752	74.5	82.6	76.6	.833	74.2	89.4	.....	..	..	.5	Cu.
	12	27.5	758.90	29.743	73.9	84.3	76.5	.819	73.7	86.6	WSW.	..	..	.8	S., Ci-cu., Cu., Cu-s., Ci-s.
	13	28.	758.65	29.731	73.4	86.1	77.4	.826	74.	84.1	W.	.2	..	.9	S., Ci-cu., Cu.
	14	28.6	758.35	29.716	69.9	86.5	76.2	.774	71.9	82.2	WNW.	.2	..	1.0	S., Ci., Cu., Cu-s.
	15	29.2	758.35	29.713	68.9	88.	76.9	.774	71.9	80.8	WNW.	.2	..	.9	S., Ci., Cu., Cu s.
	16	29.5	758.30	29.710	67.2	87.	74.6	.706	69.1	80.9	WNW.	.2	..	.8	S., Ci , Cu., Cu-s.
	17	30.2	758.40	29.709	69.1	87.3	77.3	.809	73 3	81.3	WNW.	..	..	.2	Ci-cu., Ci., Cu., Ci-s.
	18	30.4	758.60	29.717	69.3	86.3	76.5	.788	72.5	81.8	W.	..	..	.1	Ci-cu., Ci., Cu., Ci-s.
	19	30.2	758.60	29.717	71.9	83.7	75.7	.785	72.4	84.7	W.	..	..	.2	Ci-cu., Ci., Ci-s.
	20	29.9	758.70	29.725	70.4	81.	74.8	.781	72.2	87.5	W.	..	..	.05	Cu-s., Cu.
	21	29.8	759.10	29.740	72.3	77.5	74.1	.793	72.7	93.4	WSW.	..	..	..	Clear.
	22	29.3	759.10	29.742	72.	76.3	73.6	.786	72.4	96.	SW.	..	..	..	Clear.
	23	28.	758.90	29.741	71.	75.1	73.	.778	71.1	96.7	SW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
20	0	26.	759.75	29.783	62.5	69.3	65.	.592	63.7	96.9	N.	..	..	.6	Cu , Ci-cu.
	1	25.7	760.05	29.797	59.1	66.4	62.3	.520	59.8	92.5	N.	..	..	.7	Cu-s., Cu., S., Ci-cu.
	2	25.3	760.15	29.803	58.	65.	61.	.497	58.5	92.6	N.	..	..	.9	Cu-s., Ci s.
	3	24.9	760.25	29.808	55.8	63.6	60.	.483	57.6	92.5	N.	..	..	.5	Cu-s., Ci-s.
	4	24.5	760.40	29.817	54.8	62.3	58.4	.453	55.7	92.	N.	..	..	.7	Cu-s., Cu., Ci.
	5	24.	760.55	29.824	52.5	61.7	56.5	.407	52.5	89.3	N.	.1	..	.9	Cu-s., Cu., Ci-cu.
	6	23.5	760 80	29.837	51.5	62.2	56.2	.394	51.6	86.7	N.	.1	..	.7	Cu s., Ci., Ci-cu.
	7	23.3	761.25	29.855	51.3	63.	56.5	.392	51.4	85.	N.	.1	..	1.0	S., Cu., Ci cu.
	8	23.3	762.00	29.884	51.	65.6	57.7	.396	51.7	82.	NNE.	.2	..	.9	S., Cu., Ci cu.
	9	23.7	762.00	29.883	50.8	67.7	59.	.409	52.7	80.3	NNE.	.3	..	.2	S., Ci-s., Ci-cu.
	10	24.1	762.20	29.888	53.6	69.3	59.7	.410	53.8	79.1	NE.	.2	..	.2	S., Ci-s., Ci-cu.
	11	24.3	762.10	29.883	52.4	70.7	60.2	.409	52.7	76.5	NE.	.2	..	.2	S., Ci-s., Ci-cu.
	12	24.7	762.20	29.886	48.	71.9	57.5	.320	45.5	67.2	N.	.4	..	.05	S., Cu., Ci cu.
	13	21.6	762.05	29.880	45.5	73.1	56.5	.279	42.7	67.5	N.	.2	..	.05	S., Cu , Ci cu.
	14	24.8	762.00	29.878	46.	72.5	58.	.327	45.2	62.6	N.	.1	..	..	Cu.
	15	25.1	761.90	29.873	47.2	74.5	58.1	.324	53.7	62.3	NNW.	.1	..	.02	Cu.
	16	25.6	761.30	29.845	46.8	75.5	59.5	.336	54.6	62.8	N.	.1	..	.02	Cu.
	17	25.9	761.25	29.843	47.	76.5	62.2	.403	52.2	63.	.....	..	..	..	Cu.
	18	26.1	761.50	29.853	48.	76.	59.5	.330	54.2	60.2	.....	..	..	..	Cu.
	19	26.	762.00	29.871	....	73.8	60.4	.391	51.3	63.7	NNW.	..	..	..	Cu.
	20	25.5	762.35	29.887	45.5	68.2	58.6	.391	51.3	70.9	NNW.	..	..	..	Clear.
	21	25.	762 90	29.912	50.2	65.3	56.	.371	49.8	74.	NNW.	..	..	..	Clear.
	22	24.4	763.00	29.918	46.3	64.1	53.7	.312	44.8	72.5	NNW.	..	..	..	Clear.
	23	24.8	763.05	29.919	43.1	62.	53.	.313	44.9	73.3	NNW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
21	0	23.1	763.00	29.925	43.5	61.	52.2	.303	43.9	73.8	NNW.	..	..	..	Clear.
	1	22.7	763.20	29 934	43.2	58.7	52.	.325	45.9	77.4	NNW.	..	..	..	Clear.
	2	22.1	763.10	29.933	45.2	57.	51.2	.324	45 8	82.3	NNW.	..	..	..	Clear.
	3	21.5	762.85	29.928	45.	54.5	50.2	.328	46.2	88.	NNW.	..	..	..	Clear.
	4	20.9	763.00	29.935	45.8	53.	49.6	.330	46.4	92.	NNW.	..	..	..	Ci-s. in Hor.
	5	20.4	763.50	29.958	46.2	51.5	48.5	.321	45.6	93.5	NNW.	..	..	..	Ci-cu.
	6	19.7	764.00	29.981	48.3	54.	50.7	.345	47.7	93.3	NNW.	..	..	..	Ci-cu.
	7	20.	764.40	29.995	49.	60.3	53.5	.345	47.7	84.8	NNW.	..	..	..	Ci-cu., Ci-s.
	8	20.8	764.80	30.007	48.3	65.4	55.4	.336	46.9	77.2	NNE.	..	..	..	Ci., Ci-s.
	9	21.4	765.00	30.012	*49.8	68.7	57.3	.350	48.1	73.7	NE.	..	..	..	Ci., Ci s.
	10	21.7	764.60	29.995	52.5	69.7	59.	.386	51.	74.	NNE.	..	..	..	Ci.
	11	22.3	764.75	29.998	48.	71.2	58.6	.358	48.8	70.2	E.	..	..	..	Clear.
	12	22.9	764.65	29.992	46.2	72.3	58.1	.332	46.6	66.7	ENE.	..	..	..	Clear.
	13	23.1	764.30	29.977	46.	73.1	59.1	.351	48.2	66.5	NNE.	..	..	..	Clear.
	14	23.6	764.00	29.962	43.8	74.5	58.5	.319	45.4	63.9	N.	..	..	..	Cu.
	15	24.2	763.80	29.951	46.	76.	63.	.432	54.3	66.4	WNW.	..	..	..	Clear.
	16	24.7	763.55	29.939	46.5	76.5	63.	.427	54.	65.8	SW.	..	..	.1	Ci., Ci-cu.
	17	25.2	763.50	29.934	47.5	77.	63.1	.424	53 7	66.	SW.	..	..	..	Ci-cu.
	18	25.8	763.70	29.939	50.5	76.6	61.4	.378	50.4	64.	W.	..	..	..	Ci-cu.
	19	25.9	763.75	29.941	53.9	73.7	62.6	.446	55.2	68.7	W.	..	..	..	Ci-cu.
	20	25.4	763.75	29.944	54.8	68.6	59.2	.404	52.3	73.2	W.	..	..	..	Clear.
	21	25.2	764.25	29.964	57.5	65.5	60.8	.484	57.7	91.3	SSW.	..	..	..	Clear.
	22	24.8	764.55	29.979	57.	63.9	60.1	.482	57.5	92.9	SSW.	..	..	..	Clear.
	23	24.	764.30	29.971	56.6	61.9	58.7	.465	56.5	94.5	SSW.	..	..	..	Clear.

* Thirty-five minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
22	0	23.4	764.30	29.995	55.	59.6	56.7	.437	54.6	95.8	SSW.	..	..	..	Clear.
	1	22.9	764.00	29.966	53.5	57.9	55.7	.428	54.	97.8	SSW.	..	..	..	Ci.
	2	22.3	763.70	29.956	54.3	57.1	55.5	.432	54.3	99.7	SSW.	..	..	..	Ci.
	3	21.8	763.40	29.947	52.2	54.7	53.6	.410	52.7	98.8	SSW.	..	..	.1	Ci.
	4	21.2	763.40	29.950	51.8	54.6	53.5	.409	52.7	100.	SSW.	..	..	.15	Ci., Ci-s.
	5	20.9	763.20	29.943	52.2	54.7	53.5	.408	52.6	100.	SSW.	..	..	.1	Ci-cu., Ci., Ci-s.
	6	20.3	763.60	29.962	55.	57.5	56.	.441	54.9	98.8	SSW.	..	..	.1	Ci-cu., Ci., Ci-s.
	7	20.6	764.00	29.976	55.5	61.3	57.8	.447	55.3	92.3	SSW.	..	..	.1	Ci-cu., Ci., Ci-s.
	8	21.2	764.15	29.980	57.	66.	60.5	.470	56.8	87.5	SSW.	..	..	.05	Ci-cu., Ci.
	9	21.7	764.25	29.981	57.4	71.4	63.4	.496	58.4	80.7	SW.	..	..	.4	Ci., S.
	10	22.3	764.30	29.980	54.5	74.2	63.4	.465	56.5	73.7	SW.	..	..	.6	Ci-s., Ci., S.
	11	23.2	764.20	29.971	52.2	76.5	63.5	.442	55.	68.3	N.	..	..	.7	Ci-s., Ci.
	12	23.8	763.85	29.954	51.5	77.8	63.7	.433	54.4	65.2	NNE.	..	..	.3	Ci-s., Ci.
	13	24.3	763.70	29.946	52.3	79.2	64.7	.449	55.4	65.2	NNE.	..	..	.3	Ci-s., Ci.
	14	25.	763.60	29.939	55.1	80.3	66.3	.487	57.9	65.8	NW.	..	..	.3	Ci-s., Ci., S.
	15	25.6	763.55	29.934	57.5	81.7	68.5	.544	61.2	67.5	WSW.	..	..	.9	Ci-s., Ci., S.
	16	26.3	763.40	29.925	53.8	82.	67.5	.508	59.1	66.5	SW.	..	..	.6	Ci-cu., Ci., S.
	17	27.	763.10	29.910	52.	82.	66.1	.462	56.3	65.4	SW.	..	..	.8	Ci-cu., Ci., Ci-s., S.
	18	27.2	763.10	29.908	56.2	80.5	67.5	.524	60.	68.3	WSW.	..	..	.7	Ci-cu., Cu., Ci., Ci-s., S.
	19	27.2	763.10	29.908	55.6	77.5	66.4	.522	59.9	72.1	WSW.	..	..	.5	Ci-cu., Cu., Ci., Ci-s., S.
	20	26.9	763.15	29.912	56.4	73.1	64.8	.520	59.8	78.	WSW.	..	..	.3	Ci-cu., Ci., S.
	21	26.8	763.50	29.927	56.	69.8	63.6	.521	59.9	83.9	WSW.	..	..	.2	Ci-cu., Ci.
	22	26.3	763.50	29.929	57.5	68.4	62.7	.509	59.2	86.9	WSW.	..	..	.3	Ci.
	23	25.6	763.75	29.942	59.	67.5	62.7	.518	59.7	90.	WSW.	..	...	.2	Ci-cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
24	0	25.3	761.10	29.840	60.	65.4	62.5	.537	60.8	97.	SSW.	..	..	..	Clear.
	1	25.1	760.60	29.822	62.3	64.5	64.	.570	62.6	98.5	SSW.	..	..	.9	Cu.
	2	24.9	760.20	29.806	62.9	68.	65.	.584	63.3	97.	SSW.	..	..	.9	Cu., Cu-s.
	3	24.7	760.00	29.800	64.2	68.	65.5	.601	64.2	98.	SSW.	..	..	.8	Cu., Ci-cu., Cu-s.
	4	24.5	759.70	29.789	65.	67.6	65.6	.608	64.5	99.	SW.	..	..	.7	Ci-cu., Ci-s.
	5	24.3	759.65	29.787	64.1	67.2	65.4	.605	64.4	99.5	SW.	..	..	.3	Ci-cu., Cu-s.
	6	24.2	759.60	29.786	65.2	69.1	66.8	.630	65.6	98.4	SW.	..	..	.1	Ci-cu., Cu-s.
	7	24.6	759.60	29.784	66.	72.4	68.	.633	65.8	92.	SW.	..	..	.05	Ci., Ci-s.
	8	25.1	759.50	29.778	66.2	75.9	69.3	.638	66.	87.2	SW.	..	..	.02	Ci-cu., Ci-s.
	9	25.6	759.35	29.769	65.8	78.7	69.7	.621	65.2	81.9	W.	..	..	.01	Ci cu., Ci s.
	10	26.1	759.25	29.763	66.5	81.5	71.	.635	65.9	78.9	W.	..	..	.1	Ci., Ci-s.
	11	26.8	759.00	29.750	61.2	84.3	70.	.569	62.5	72.	W.	..	..	.2	Ci., Ci-s.
	12	27.4	758.60	29.731	57.6	86.7	67.9	.471	56.9	66.6	W.	.3	..	.3	Ci-cu., Ci., Ci s.
	13	28.	758.35	29.719	55.2	87.	67.	.439	54.8	64.8	WNW.	1.0	..	.7	Ci-cu., Ci., Ci s.
	14	28.6	758.25	29.712	57.5	88.	69.	.495	58.3	64.	WNW.	1.1	..	.8	Ci cu., Ci., Ci-s.
	15	28.9	757.90	29.697	58.8	88.	69.9	.527	60.2	65.5	W.	1.0	..	.6	Ci-cu., Ci., Ci-s.
	16	29.4	758.15	29.704	62.1	87.8	71.2	.573	62.7	68.3	W.	.7	..	.8	Ci cu., Ci, Cu.
	17	29.9	758.30	29.709	61.	87.	70.6	.560	62.	69.	WNW.	1.0	..	.9	Ci-cu., Ci., Ci-s., Cu.
	18	30.1	758.80	29.728	61.7	84.8	70.	.564	62.3	71.5	WNW.	.7	..	.7	Ci-cu., Ci., Ci-s, Cu.
	19	30.2	759.40	29.750	61.9	81.9	69.5	.578	63.	75.2	WNW.	.3	..	.8	Ci-cu., Ci., Cu-s., Cu.
	20	29.8	759.90	29.772	64.	79.	69.6	.614	64.8	80.9	WNW.	.03	..	.9	Ci-cu., Ci-s., Cu.
	21	29.6	760.40	29.793	65.7	78.	69.	.618	65.	82.9	WNW.	..	..	1.0	Hazy, Cu.
	22	29.4	760.70	29.815	64.	76.5	68.7	.612	64.7	85.2	WNW.	..	..	1.0	Hazy, Cu.
	23	28.9	761.05	29.820	64.2	74.9	68.3	.615	64.9	88.2	WNW.	..	..	1.0	Hazy, Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
25	0	28.6	761.40	29.856	63.	74.6	66.2	.549	61.4	89.1	NW.	..	..	1.0	Hazy, Cu.
	1	28.	761.60	29.847	60.	71.4	64.6	.534	60.6	89.	NNW.	..	..	.9	Hazy, Cu.
	2	27.8	761.90	29.860	58.3	69.5	63.6	.523	60.	90.4	N.	..	..	.6	Hazy, Cu s., Cu.
	3	27.2	762.15	29.871	57.4	67.9	61.6	.481	57.5	90.3	N.	.1	..	.5	Cu-s., Cu.
	4	26.6	762.60	29.892	55.	67.	60.5	.459	56.1	89.	N.	..	..	.8	Cu-s., Cu.
	5	26.1	763.05	29.912	54.2	64.	58.8	.445	55.2	91.2	N.	..	..	.1	Cu-s, Ci-cu.
	6	25.8	763.75	29.941	53.6	65.3	59.3	.444	55.1	90.5	N.	..	..	..	S.
	7	25.9	764.30	29.963	53.3	68.2	60.4	.443	55.	81.	N.	..	..	.2	Ci., S., Cu-s.
	8	26.1	764.80	29.982	53.8	70.9	60.	.401	52.1	79.4	NNE.	..	..	.3	S.
	9	26.5	765.15	29.994	50.3	73.	60.5	.392	51.4	76.8	NE.	..	..	.1	S., Ci.
	10	26.8	765.30	29.998	48.3	74.8	60.	.357	48.7	70.9	NE.	.1	..	.1	S.
	11	27.2	765.50	30.003	46.	76.6	59.3	.317	45.2	67.	NE.	.2	..	..	S.
	12	27.6	765.30	29.994	45.9	78.	60.6	.339	47.2	65.	NNE.	.2	..	..	Clear.
	13	27.7	765.05	29.983	45.3	79.	60.5	.325	45.9	64.8	N.	.1	..	..	Clear.
	14	27.8	764.80	29.974	45.6	80.2	61.5	.341	47.4	63.3	NNW.	.05	..	..	Clear.
	15	28.	764.95	29.979	50.2	81.	62.	.346	47.8	62.9	NNW.	.05	..	1.0	Hazy.
	16	28.3	764.75	29.969	51.4	81.6	62.8	.363	49.2	63.	NW.	..	..	1.0	Hazy.
	17	28.5	764.75	29.968	55.	82.1	66.5	.473	57.	65.5	NW.	..	..	1.0	Hazy.
	18	28.8	765.00	29.975	55.	80.5	65.8	.469	56.7	67.9	W.	..	..	1.0	Hazy.
	19	28.7	765.00	29.976	53.6	76.5	65.5	.505	58.9	73.7	W.	..	..	1.0	Hazy.
	20	28.7	765.40	29.992	54.7	72.1	63.2	.482	57.5	78.8	W.	..	..	.1	Ci-s.
	21	28.5	766.40	30.033	59.	69.	63.2	.517	59.6	91.	SW.	..	..	..	Clear.*
	22	27.8	767.00	30.060	57.	67.	62.	.503	58.8	91.	SSW.	..	..	..	Clear.
	23	27.	766.90	30.061	58.	65.6	61.2	.495	58.3	93.4	SSW.	..	..	..	Clear.

* At 21*h.* 30*m.*, streamers to N., flaming to about 30°. At 22*h.*, streamers very bright, reaching about 40°. At 22*h.* 15*m.*, light very faint, and gradually disappearing.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
26	0	26.3	767.20	30.075	57.9	64.3	60.5	.489	58.	95.5	SSW.	..	..	..	Clear.
	1	26.	766.90	30.065	57.9	63.8	59.9	.477	57.2	95.	SSW.	..	..	..	Clear.
	2	25.5	766.90	30.067	57.4	63.5	59.6	.472	56.9	94.5	SSW.	..	..	..	Clear.
	3	24.9	766.75	30.064	55.9	62.2	58.6	.459	56.1	95.6	SSW.	..	..	..	Clear.
	4	24.3	767.00	30.076	54.2	61.6	57.5	.435	54.5	94.8	SSW.	..	..	.1	Ci s. at Hor.
	5	24.	767.50	30.097	53.3	61.	57.4	.440	54.8	94.8	SSW.	..	..	.1	Ci-s., Ci-cu.
	6	23.7	767.85	30.114	57.3	64.	60.	.478	57.3	95.1	SSW.	..	..	.1	Ci s., Ci-cu.
	7	23.7	767.80	30.112	60.	67.7	63.	.525	60.1	94.	SSW.	..	..	.1	Ci., Ci-cu.
	8	24.3	767.85	30.110	63.	73.	66.8	.586	63.4	90.6	SW.	..	..	.1	Ci., Ci-s.
	9	24.7	767.70	30.103	64.2	76.	68.	.591	63.7	87.	WSW.	.1	..	1.0	Hazy, Ci-s.
	10	25.	767.70	30.101	61.5	78.	67.3	.546	61.3	82.2	SW.	.3	..	1.0	Hazy, Ci-s.
	11	25.5	767.55	30.092	58.	79.	66.3	.508	59.1	77.6	SW.	.8	..	1.0	Hazy, Ci-s.
	12	26.	767.10	30.072	59.3	80.6	67.3	.529	60.3	76.	SW.	.9	..	1.0	Hazy, Cu-s., Ci s.
	13	26.4	766.70	30.056	59.6	80.8	68.5	.554	61.7	76.5	SW.	1.7	..	1.0	Hazy, Cu-s., Ci-s.
	14	26.9	766.30	30.037	60.4	82.6	69.7	.575	62.8	76.5	SW.	1.3	..	1.0	Ci., hazy, Cu-s., Cu.
	15	27.4	765.75	30.012	62.2	83.2	70.6	.600	64.1	76.8	SW.	1.7	..	1.0	Ci., hazy, Cu-s., Cu.
	16	27.8	765.25	29.991	63.4	83.5	71.5	.631	65.7	77.6	SW.	1.7	..	1.0	Ci., hazy, Cu-s., Cu.
	17	28.3	764.90	29.975	64.2	83.	71.	.619	65.1	79.4	SW.	1.8	..	1.0	Ci., hazy, Cu-s., Cu.
	18	28.4	764.75	29.969	63.8	80.7	69.6	.594	63.8	79.8	SW.	1.2	..	1.0	Ci., hazy, Ci-s.
	19	28.3	764.70	29.967	60.7	77.2	68.	.578	63.	82.2	SSW.	.2	..	1.0	Ci., hazy, Ci-s.
	20	28.7	765.00	29.977	60.8	73.8	66.6	.570	62.6	86.1	S.	.5	..	.9	Ci., hazy, Ci-s.
	21	27.6	765.15	29.988	62.6	71.9	66.	.572	62.7	90.	S.	..	..	..	Clear.
	22	27.2	765.20	29.991	62.5	70.5	65.6	.575	62.8	93.	S.	..	..	..	Clear.
	23	26.8	765.10	29.990	62.3	69.6	65.7	.588	63.5	96.	SSW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Hygr.,	Dir., points.	Force, lbs.			
27	0	26.1	761.90	29.986	61.8	69.8	65.6	.583	63.3	95.8	SSW.	.2	..	..	Clear.
	1	25.9	764.35	29.963	62.	69.8	65.3	.573	62.7	95.8	SSW.	.2	..	.3	S. at Hor.
	2	25.4	763.65	29.940	63.7	69.	65.4	.585	63.4	97.	SSW.	.2	..	.3	S., Cu.
	3	25.1	763.55	29.937	62.2	69.	65.5	.589	63.6	97.	SSW.	.1	..	.7	Ci., Cu.
	4	24.8	763.50	29.937	62.2	68.5	65.8	.604	64.3	98.	SW.	..	..	1.0	Cu-s., Cu., S.
	5	24.1	763.60	29.943	63.8	68.2	65.5	.598	64.	99.2	SW.	..	..	.95	Cu-s., Ci-cu., Cu.
	6	24.5	763.80	29.950	65.2	69.9	67.	.627	65.5	99.	SW.	..	..	.95	Ci., Cu-s., Ci-cu., Cu.
	7	25.	763.80	29.947	65.5	73.	68	.625	65.4	92.1	SW.	..	..	.9	Ci., Ci-cu., Cu.
	8	25.3	764.10	29.958	67.5	76.5	70.5	.673	67.6	89.5	WSW.	..	..	.9	Ci., Ci-cu., Ci-s.
	9	25.9	764.50	29.971	67.	80.7	71.9	.676	67.8	84.7	WNW.	..	..	.9	Ci., S., Ci-cu.
	10	26.4	764.60	29.973	66.4	83.3	72.5	.669	67.4	81.9	WNW.	.05	..	.8	Ci., S., Ci cu.
	11	27.	764.60	29.970	67.5	85.5	73.	.663	67.2	78.9	NW.	.1	..	.5	Ci., S., Ci-cu.
	12	27.8	764.60	29.966	67.7	88.	74.	.673	67.6	76.9	NW.	.1	..	.3	Cu., S., Ci-s.
	13	28.4	764.30	29.951	68.	89.8	74.8	.684	68.1	74.9	WNW.	.1	..	.5	Cu., S., Ci-s.
	14	29.2	764.40	29.951	67.	90.7	74.5	.662	67.1	73.1	NW.	..	..	.7	Cu., S., Ci-s.
	15	29.7	764.30	29.945	72.3	90.5	77.5	.782	72.2	75.6	NW.	..	..	.7	Cu., S., Ci-s.
	16	30.2	764.40	29.945	67.3	90.3	75.3	.698	68.8	72.5	WNW.	..	..	.5	Cu., S., Ci-s.
	17	31.	764.20	29.935	59.7	92.2	74.4	.642	66.2	66.5	NW.	..	..	.3	Cu., S., Ci.
	18	31.3	764.35	29.939	59.3	91.6	73.6	.618	65.	65.2	NE.	.1	..	.1	Cu., S.
	19	31.3	764.80	29.957	69.8	83.6	75.4	.775	72.	85.6	SE.	.3	..	1.0	Cu., S., hazy, Ci., Ci-s.
	20	30.9	765.20	29.974	68.	79.7	72.2	.698	68.8	87.5	SE.	.1	..	1.0	S., Ci., Ci-s.
	21	30.5	765.55	39.987	68.2	77.3	71.	.682	68.	90.	SE.	..	..	..	Clear.
	22	30.2	765.70	29.996	67.2	76.	70.2	.668	67.4	91.4	SE.	..	..	..	Clear.
	23	29.9	765.65	29.998	67.2	74.	69.4	.662	67.1	93.5	SE.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
14	0	21.7	771.00	30.345	58.9	65.	62.1	.529	60.3	96.	ENE.	. .		1.0	S., Cu-s
	1	21.7	770.65	30.231	59.8	65.	62.	.525	60.1	96.	ENE.	. .		1.0	S., Cu-s.
	2	21.6	770.30	30.217	59.4	64.9	61.6	.513	59.4	93.	ENE.	. .		1.0	S., Cu s
	3	21.6	770.25	30.215	59.	64.5	61.6	.520	59.8	97.	ENE.	. .		1.0	S., Cu-s.
	4	21.5	770.45	30.225	59.6	64.	61.6	.525	60.1	97.6	ENE.	. .		1.0	N., drizzling.
	5	21.5	770.65	30.233	60.5	63.	61.4	.530	60.4	100.	NE.	. .		1.0	S., Cu-s.
	6	21.	770.60	30.232	60.8	63.8	62.	.539	60.9	99.3	NE.	. .		.8	Cu., Cu-s
	7	21.3	770.50	30.227	61.2	67.8	63.8	.548	61.4	94.2	NE.	. .		.1	Ci-cu., Ci-s
	8	21.8	770.40	30.221	62.2	70.3	65.8	.584	63 3	92.2	NE.	. .		1.0	Cu
	9	22.4	770.20	30.209	60.	70.9	65.8	.577	63.	92.	ESE.	. .		1.0	Cu-s.
	10	22.5	770.20	30.209	61.	71.6	66.2	.582	63.2	90.	SSW.	.		1.0	Cu s
	11	23.2	770.25	30.207	63.2	72.3	66.7	.590	63.6	90.3	SW.	. .		1.0	Cu s.
	12	23.5	769.65	30.183	63.8	74.3	67.7	.600	64.1	89.2	WSW.	. .		1.0	Cu-s.
	13	23.8	769.60	30.179	64.3	74.6	68.	.607	64.5	89.	WSW.	.		1.0	Cu.
	14	23.8	769.00	30.155	64.9	75.2	68.7	.624	65.3	89.2	W.	. .		1.0	Cu.
	15	24.5	768.60	30.138	65.	76.	69.5	.642	66.2	88.8	W.	.		.9	Cu.
	16	25.	768.00	30.113	65.5	77.6	69.5	.624	65.3	85.4	W.	.		.8	Cu.
	17	25.4	767.50	30.092	65.8	76.7	68.8	.610	64.6	85.9	WNW.	. .		.3	Cu., Ci.
	18	25.5	767.10	30.074	65.8	75.6	69.1	.633	65.8	88.4	W.	. .		1.0	Ci-s., Cu , Ci
	19	25.4	766.75	30.063	66.	74.1	69.1	.650	66.6	90.7	W.	.		1.0	Ci-cu., Ci.
	20	25.2	766.70	30.061	65.6	71.5	68.	.642	66.2	94.2	W.	.		.2	Cu., Ci.
	21	25.2	767.15	30.048	65.9	69.7	67.	.629	65.6	96.1	W.	. .		.3	Cu., Ci.
	22	24.7	766.90	30.072	65.	68.5	66.5	.626	65.4	98.	W.	. .		.3	Cu., Ci.
	23	24.5	766.65	30.063	66.7	69.	67.	.637	66.	97.8	W.	. .		.8	Ci-s., S., N

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., point.	Force, lbs.			
15	0	24.3	766.45	30.054	65.8	69.2	67.6	.654	66.8	97.8	WSW.	..	..	1.0	Cu., Cu-s.
	1	24.3	765.70	30.025	66.	70.	68.	.659	67.	97.8	WSW.	..	..	1.0	Cu., N., raining.
	2	24.1	765.25	30.008	66.8	69.2	67.9	.664	67.2	99.2	SW.	..	..	1.0	Cu.
	3	24.1	764.80	29.991	67.2	69.	67.6	.656	66.8	99.	SW.	..	..	.9	Cu., Ci-cu.
	4	23.9	765.00	29.999	66.8	68.7	67.4	.653	66.7	99.	SW.	..	..	1.0	Cu., Cu-s.
	5	23.8	765.20	30.007	65.4	68.	66.4	.628	65.5	99.	SW.	..	..	1.0	Cu., S., *NNE.*
	6	23.6	765.15	30.007	66.4	69.7	67.8	.656	66.8	99.	SW.	..	..	1.0	(1) Ci-cu., Cu-s., *SW.*; (2) Cu., *NNE.*
	7	23.6	765.20	30.009	67.3	70.5	68.5	.670	67.5	98.5	SW.	..	..	1.0	Cu., *NE.*
	8	23.8	765.10	30.003	68.	73.3	70.	.690	68.4	96.	SW.	..	..	1.0	Cu., Ci-cu.
	9	24.4	765.00	29.997	68.2	75.4	71.3	.713	69.4	94.6	WSW.	..	..	1.0	Cu., Cu s.
	10	25.	765.75	30.024	68.6	76.3	71.7	.717	69.6	92.2	W.	..	..	.8	Cu , Cu-s., Ci-cu.
	11	25.5	765.00	29.991	67.	79.5	72.	.692	68.5	85.2	WNW.	..	..	.9	Cu., S., Ci.
	12	26.2	764.50	29.970	67.4	81.2	73.7	.699	68.8	83.8	NW.	..	..	.9	Cu., S.
	13	26.6	763.45	29.925	68.9	81.6	72.2	.677	67.8	83.3	WNW.	..	..	1.0	Cu., S., Ci.
	14	27.	763.45	29.924	65.	83.5	72.2	.657	66.0	77.2	WNW.	..	..	1.0	Cu., S., Ci.
	15	27.2	763.20	29.912	69.4	79.2	72.7	.721	69.8	88.5	WNW.	..	..	1.0	N., raining.
	16	27.	763.00	29.906	65.4	70.4	67.8	.648	66.5	97.2	N.	4.0	.8	.8	N., Cu-s.
	17	26.6	763.00	29.907	66.	68.5	67.5	.659	67.	97.2	.....	..	..	.95	Ci-cu., Ci., Cu s.
	18	26.6	763.25	29.917	68.	70.	68.2	.666	67.3	97.5	NW.	..	..	.93	Ci., Cu-s.
	19	26.2	763.30	29.922	67.	70.6	68.5	.669	67.4	97.	NW.	..	..	.7	Cu-s., Cu., Ci., Ci-cu.
	20	25.9	762.55	29.894	65.4	69.3	67.	.645	66.3	98.5	NW.	..	..	.3	Ci., Ci-cu.
	21	25.6	763.00	29.912	65.5	67.4	66.3	.632	65.7	98.5	NW.	..	..	..	Ci-cu.
	22	25.4	763.20	29.922	65.5	67.	65.9	.624	65.3	98.5	NW.	..	..	.1	S., Ci-cu.
	23	24.8	763.25	29.927	64.3	65.3	64.4	.595	63.9	98.5	NW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
17	0	23.5	763.70	29.950	62.8	65.7	64 5	.594	63.8	97.	SE.	..	..	1.0	Cu.
	1	23.5	763.35	29.936	64.	66.6	65.4	.612	59 4	97.	SE.	..	..	1.0	Cu.
	2	23.4	763.30	29.935	64.2	66.5	65.2	.606	64.4	97.	SE.	..	..	1.0	Cu.
	3	23.3	763.20	29.931	65.	66.3	65.5	.619	65.1	97.	SSE.	..	..	1.0	S., foggy.
	4	23.2	763.35	29.937	65.	66.5	65.6	.620	65.1	97.	SSE.	..	..	1.0	S., foggy.
	5	23.	763.65	29.951	65.3	67.	66.	.627	65.5	97.2	SSE.	..	..	1.0	S., foggy.
	6	22.8	763.65	29.952	65.6	67.5	66.4	.634	65.8	97.3	SSE.	..	..	1.0	S.
	7	22.8	763.80	29 958	66.6	68.7	67.4	.653	66.7	97.2	SSE.	..	..	1.0	S.
	8	22.7	763.60	29.950	65.7	70.4	68.8	.681	68.	97.	SSE.	..	..	1.0	S.
	9	23.2	763.40	29.939	67.4	73.3	71.1	.729	70.1	94.	SSE.	..	..	1.0	Cu., Cu s., Ci-cu.
	10	23.5	763.35	29.944	66.	77.	72.2	.728	70.	91.	S.	.20	..	1.0	Cu., Cu s.
	11	24.1	763.40	29.935	64.8	78.5	71.4	.683	68.1	88.	S.	.30	..	1.0	Cu., Cu-s.
	12	24.5	763.15	29.924	66.4	75.2	71.	.705	69.1	91.5	SSW.	.30	.010	1.0	N., Cu s.
	13	24.5	763.15	29.924	66.6	73.7	71.	.721	69.7	91.9	SSW.	..	.030	1.0	Cu-s.
	14	24.6	762.75	29.908	68.	73.7	71.	.721	69.7	94.	S.	.20	.650	1.0	N., Cu-s.
	15	25.2	762.00	29 875	69.4	77.	73.7	.782	72.3	94.	SSE.	.30	.005	.7	Cu., Cu-s.
	16	25.3	761.80	29.868	69.2	77.7	73.5	.767	71.6	93.4	SSE.	.20	..	1.0	Cu-s.
	17	25.8	761.50	29.853	68.8	77.5	72.6	.737	70.4	94.	S.	..	..	1.0	Cu s.
	18	25.6	761.55	29.856	68.6	75.6	71.5	.718	69.6	93.7	S.	.01	..	1.0	Cu-s.
	19	25.5	761.65	29.860	65.4	75.	70.1	.675	67.7	91.5	SSE.	..	..	1.0	Cu-s.
	20	25.4	761.75	29.866	67.2	74.	70.	.683	68.1	92.8	S.	..	..	1.0	Cu., Cu s.
	21	25.4	761.90	29.872	68.4	72.5	69.6	.686	68.2	95.8	SSE.	.01	..	.1	Cu-s.
	22	25.3	761.40	29.852	68.1	71.4	69.5	.694	68.6	97.4	SSE.	..	..	..	Cu-s.
	23	25.1	761.20	29.845	68.4	70.6	69.3	.697	68.7	97.5	S.	..	..	.3	S., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
18	0	24.7	760.60	29.824	69.5	72.	70.6	.726	70.	97.5	S.	..	..	1.0	S., foggy.
	1	24.9	760.10	29.802	70.	71.8	70.5	.725	69.9	97.2	S.	..	..	1.0	Cu.
	2	24.8	759.50	29.780	70.3	72.	71.	.740	70.6	97.5	S.	..	..	1.0	Cu.
	3	24.8	758.75	29.751	72.2	72.7	71.8	.760	71.4	97.5	S.	..	..	1.0	Cu.
	4	24.8	758.75	29.751	72.4	72.7	72.	.767	71.7	97.5	SSW.	..	..	1.0	S., foggy, drizzling.
	5	24.8	759.25	29.770	71.5	73.	72.	.764	71.5	97.	SW.	..	..	1.0	S., foggy.
	6	24.8	759.15	29.766	72.4	73.6	72.8	.788	72.5	97.	WSW.	..	..	1.0	S.
	7	25.	759.25	29.768	72.6	75.	73.5	.798	72.9	97.	WSW.	..	..	1.0	S., Cu.
	8	25.	759.40	29.774	72.2	75.5	73.5	.792	72.6	96.4	WSW.	..	..	1.0	Ci-cu., Cu.
	9	25.5	759.36	29.767	72.5	79.	74.5	.790	72.6	93.4	WSW.	..	..	.9	S., Cu.
	10	26.	759.10	29.757	73.5	80.3	75.3	.807	73.2	91.8	WSW.	..	..	.4	Cu.
	11	26.8	759.05	29.752	74.5	82.6	76.6	.833	74.2	89.4	.....	..	..	.5	Cu.
	12	27.5	758.90	29.743	73.9	84.3	76.5	.819	73.7	86.6	WSW.	..	..	.8	S., Ci-cu., Cu., Cu-s., Ci-s.
	13	28.	758.65	29.731	73.4	86.1	77.4	.826	74.	84.1	W.	.2	..	.9	S., Ci-cu., Cu.
	14	28.6	758.35	29.716	69.9	86.5	76.2	.774	71.9	82.2	WNW.	.2	..	1.0	S., Ci., Cu., Cu-s.
	15	29.2	758.35	29.713	68.9	88.	76.9	.774	71.9	80.8	WNW.	.2	..	.9	S., Ci., Cu., Cu s.
	16	29.5	758.30	29.710	67.2	87.	74.6	.706	69.1	80.9	WNW.	.2	..	.8	S., Ci., Cu., Cu-s.
	17	30.2	758.40	29.709	69.1	87.3	77.3	.809	73.3	81.3	WNW.	..	..	.2	Ci-cu., Ci., Cu., Ci-s.
	18	30.4	758.60	29.717	69.3	86.3	76.5	.788	72.5	81.8	W.	..	..	.1	Ci-cu., Ci., Cu., Ci-s.
	19	30.2	758.60	29.717	71.9	83.7	75.7	.785	72.4	84.7	W.	..	..	.2	Ci-cu., Ci., Ci-s.
	20	29.9	758.70	29.725	70.4	81.	74.8	.781	72.2	87.5	W.	..	..	.05	Cu-s., Cu.
	21	29.8	759.10	29.740	72.3	77.5	74.1	.793	72.7	93.4	WSW.	..	..	..	Clear.
	22	29.3	759.10	29.742	72.	76.3	73.6	.786	72.4	96.	SW.	..	..	..	Clear.
	23	28.	758.90	29.741	71.	75.1	73.	.778	71.1	96.7	SW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
19	0	28.	758.55	29.727	69.9	72.3	70.6	.722	69.8	97.4	SW.	..	.	..	Clear.
	1	27.6	758.30	29.719	69.8	71.1	69.7	.705	69.1	98.	SW.	..	..	.1	Cu , Ci-cu.
	2	26.7	758.20	29.719	66.2	73.5	68.9	.650	66.6	92.	WSW.	..	..	.3	Cu., Ci-cu., Ci.
	3	26.9	758.40	29.726	65.4	75.1	68.5	.619	65.1	88.	NW.	..	..	.5	Cu., Ci-cu., Ci.
	4	26.8	758.55	29.733	65.1	73.6	68.	.619	65.1	90.	NNW.	..	..	.2	Cu., Ci-cu., Ci.
	5	26.3	759.00	29.752	64.6	72.7	67.5	.613	64.8	90.5	NNW.	..	..	.2	Cu-s., Ci-cu.
	6	26.	759.20	29.761	64.8	73.8	67.9	.614	64.8	89.8	NNW.	..	..	.2	Cu-s., Ci-cu.
	7	26.	759.35	29.767	64.5	76.8	68.8	.611	64.7	85.9	NNW.	..	..	.3	S., Ci-cu.
	8	26.7	759.40	29.766	64.	78.3	68.9	.597	64.	83.3	NNW.	..	..	.2	Ci s., Ci-cu.
	9	27.5	759.75	29.776	61.8	80.7	70.5	.627	66.	80.4	NNW.	..	..	.4	Ci s , Ci-cu.
	10	27.9	759.75	29.775	63.5	81.	72.	.676	67.8	81.6	NNW.	..	..	1.0	Cu., Ci-cu., S.
	11	28.3	759.50	29.762	63.3	82.5	72.4	.675	67.7	80.2	NNW.	..	..	.7	Cu., Ci cu., S.
	12	28.6	759.40	29.757	67.3	82.5	73.7	.722	69.8	81.5	NW.	..	..	.8	Cu., Ci-cu., S.
	13	28.9	758.90	29.736	68.	83.9	74.5	.736	70.4	79.8	WNW.	..	..	.9	Cu., Ci-cu., S.
	14	29.2	758.55	29.721	67.6	83.6	74.1	.725	69.9	80.8	W.	..	..	1.0	Cu., Ci-cu., S.
	15	29.4	758.35	29.712	68.	82.5	74.5	.752	71.	83.9	W.	..	..	1.0	Cu-s., raining., S.
	16	29.9	758.10	29.701	68.	82.6	74.4	.748	70.9	84.1	WSW.	.2	..	.7	Ci., Ci-cu., S.
	17	30.	758.75	29.726	66.9	81.3	72.3	.684	68.1	83.7	W.	..	..	1.0	Cu-s. N., S., W.
	18	29.5	759.05	29.739	65.8	71.4	68.	.644	66.3	96.1	NNW.	1.0	.005	1.0	Cu-s., Cu., S.
	19	29.	759.10	29.743	63.5	72.	68.4	.651	66.6	96.1	NE.	..	..	.7	Cu-s., Ci-cu., Ci.
	20	28.5	759.30	29.753	64.3	71.6	67.6	.628	65.5	97.	NNE.	..	..	.7	Cu s., Ci cu., Cu , Ci.
	21	27.4	759.35	29.760	65.7	68.6	66.7	.632	65.7	98.5	NNE.	..	..	.1	Cu.
	22	26.4	759.40	29.768	64.4	67.3	65.7	.614	64.8	98.7	NNE.	..	..	.1	Cu.
	23	25.9	759.35	29.766	64.8	67.5	66.3	.631	65.7	98.6	NNE.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
20	0	26.	759.75	29.783	62.5	69.3	65.	.592	63.7	96.9	N.	..	..	.6	Cu., Ci-cu.
	1	25.7	760.05	29.797	59.1	66.4	62.3	.520	59.8	92.5	N.	..	..	.7	Cu-s., Cu., S., Ci-cu.
	2	25.3	760.15	29.803	58.	65.	61.	.497	58.5	92.6	N.	..	..	.9	Cu-s., Ci s.
	3	24.9	760.25	29.808	55.8	63.6	60.	.483	57.6	92.5	N.	..	..	.5	Cu-s., Ci-s.
	4	24.5	760.40	29.817	54.8	62.3	58.4	.453	55.7	92.	N.	..	..	.7	Cu-s., Cu., Ci.
	5	24.	760.55	29.824	52.5	61.7	56.5	.407	52.5	89.3	N.	.1	..	.9	Cu-s., Cu., Ci-cu.
	6	23.5	760.80	29.837	51.5	62.2	56.2	.394	51.6	86.7	N.	.1	..	.7	Cu s., Ci., Ci-cu.
	7	23.3	761.25	29.855	51.3	63.	56.5	.392	51.4	85.	N.	.1	..	1.0	S., Cu., Ci cu.
	8	23.3	762.00	29.884	51.	65.6	57.7	.396	51.7	82.	NNE.	.2	..	.9	S., Cu., Ci cu.
	9	23.7	762.00	29.883	50.8	67.7	59.	.409	52.7	80.3	NNE.	.3	..	.2	S., Ci-s., Ci-cu.
	10	24.1	762.20	29.888	53.6	69.3	59.7	.410	52.8	79.1	NE.	.2	..	.2	S., Ci-s., Ci-cu.
	11	24.3	762.10	29.883	52.4	70.7	60.2	.409	52.7	76.5	NE.	.2	..	.2	S., Ci-s., Ci-cu.
	12	24.7	762.20	29.886	48.	71.9	57.5	.320	45.5	67.2	N.	.4	..	.05	S., Cu., Ci cu.
	13	21.6	762.05	29.880	45.5	73.1	56.5	.279	42.7	67.5	N.	.2	..	.05	S., Cu., Ci cu.
	14	24.8	762.00	29.878	46.	72.5	58.	.327	45.2	62.6	N.	.1	..	..	Cu.
	15	25.1	761.90	29.873	47.2	74.5	58.1	.324	53.7	62.3	NNW.	.1	..	.02	Cu.
	16	25.6	761.30	29.845	46.8	75.5	59.5	.336	54.6	62.8	N.	.1	..	.02	Cu.
	17	25.9	761.25	29.843	47.	76.5	62.2	.403	52.2	63.	.....	..	..	..	Cu.
	18	26.1	761.50	29.852	45.	76.	59.5	.330	54.2	60.2	.....	..	..	..	Cu.
	19	26.	762.00	29.871	....	72.8	60.4	.391	51.3	63.7	NNW.	..	..	..	Cu.
	20	25.5	762.35	29.887	45.5	68.2	58.6	.391	51.3	70.9	NNW.	..	..	..	Clear.
	21	25.	762.90	29.912	50.2	65.3	56.	.371	49.8	74.	NNW.	..	..	..	Clear.
	22	24.4	763.00	29.918	46.3	64.1	53.7	.312	44.8	72.5	NNW.	..	..	..	Clear.
	23	24.8	763.05	29.919	43.1	62.	53.	.313	44.9	73.3	NNW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
21	0	23.1	763.00	29.925	43.5	61.	52.2	.303	43.9	73.8	NNW.	..	..	..	Clear.
	1	22.7	763.20	29 934	43.2	58.7	52.	.325	45.9	77.4	NNW.	..	..	..	Clear.
	2	22.1	763.10	29.933	45.2	57.	51.2	.324	45 8	82.3	NNW.	..	..	..	Clear.
	3	21.5	762.85	29.928	45.	54.5	50.2	.328	46.2	88.	NNW.	..	..	..	Clear.
	4	20.9	763.00	29.935	45.8	53.	49.6	.330	46.4	92.	NNW.	..	..	..	Ci-s. in Hor.
	5	20.4	763.50	29.958	46.2	51.5	48.5	.321	45.6	93.5	NNW.	..	..	..	Ci-cu.
	6	19.7	764.00	29.981	48.3	54.	50.7	.345	47.7	93.3	NNW.	..	..	..	Ci-cu.
	7	20.	764.40	29.995	49.	60.3	53.5	.345	47.7	84.8	NNW.	..	..	..	Ci-cu., Ci-s.
	8	20.8	764.80	30.007	48.3	65.4	55.4	.336	46.9	77.2	NNE.	..	..	..	Ci., Ci-s.
	9	21.4	765.00	30.012	*49.8	68.7	57.3	.350	48.1	73.7	NE.	..	..	..	Ci., Ci s.
	10	21.7	764.60	29.995	52.5	69.7	59.	.386	51.	74.	NNE.	..	..	..	Ci.
	11	22.3	764.75	29.998	48.	71.2	58.6	.358	48.8	70.2	E.	..	..	..	Clear.
	12	22.9	764.65	29.992	46.2	72.3	58.1	.332	46.6	66.7	ENE.	..	..	..	Clear.
	13	23.1	764.30	29.977	46.	73.1	59.1	.351	48.2	66.5	NNE.	..	..	..	Clear.
	14	23.6	764.00	29.962	43.8	74.5	58.5	.319	45.4	63.9	N.	..	..	..	Cu.
	15	24.2	763.80	29.951	46.	76.	63.	.432	54.3	66.4	WNW.	..	..	..	Clear.
	16	24.7	763.55	29.939	46.5	76.5	63.	.427	54.	65.8	SW.	..	..	.1	Ci., Ci-cu.
	17	25.2	763.50	29.934	47.5	77.	63.1	.424	53 7	66.	SW.	..	..	..	Ci-cu.
	18	25.8	763.70	29.939	50.5	76.6	61.4	.378	50.4	64.	W.	..	..	..	Ci-cu.
	19	25.9	763.75	29.941	53.9	73.7	62.6	.446	55.2	68.7	W.	..	..	..	Ci-cu.
	20	25.4	763.75	29.944	54.8	68.6	59.2	.404	52.3	73.2	W.	..	..	..	Clear.
	21	25.2	764.25	29.964	57.5	65.5	60.8	.484	57.7	91.3	SSW.	..	..	..	Clear.
	22	24.8	764.55	29.979	57.	63.9	60.1	.482	57.5	92.9	SSW.	..	..	..	Clear.
	23	24.	764.30	29.971	56.6	61.9	58.7	.465	56.5	94.5	SSW.	..	..	..	Clear.

* Thirty-five minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
22	0	23.4	764.30	29.995	55.	59.6	56.7	.437	54.6	95.8	SSW.	..	..	..	Clear.
	1	22.9	764.00	29.966	53.5	57.9	55.7	.428	54.	97.8	SSW.	..	..	..	Ci.
	2	22.3	763.70	29.956	54.3	57.1	55.5	.432	54.3	99.7	SSW.	..	..	..	Ci.
	3	21.8	763.40	29.947	52.2	54.7	53.6	.410	52.7	98.8	SSW.	..	..	.1	Ci.
	4	21.2	763.40	29.950	51.8	54.6	53.5	.409	52.7	100.	SSW.	..	..	.15	Ci., Ci-s.
	5	20.9	763.20	29.943	52.2	54.7	53.5	.408	52.6	100.	SSW.	..	..	.1	Ci-cu., Ci., Ci-s.
	6	20.3	763.60	29.962	55.	57.5	56.	.441	54.9	98.8	SSW.	..	..	.1	Ci cu., Ci., Ci s.
	7	20.6	764.00	29.976	55.5	61.3	57.8	.447	55.3	92.3	SSW.	..	..	.1	Ci-cu , Ci., Ci-s.
	8	21.2	764.15	29.980	57.	66.	60.5	.470	56 8	87.5	SSW.	..	..	.05	Ci-cu., Ci.
	9	21.7	764.25	29.981	57.4	71.4	63.4	.496	58.4	80.7	SW.	..	..	.4	Ci., S.
	10	22.3	764.30	29.980	54.5	74.2	63.4	.465	56.5	73.7	SW.	..	..	.6	Ci-s., Ci., S.
	11	23.2	764.20	29.971	52.2	76.5	63.5	.442	55.	68.3	N.	..	..	.7	Ci-s., Ci.
	12	23.8	763.85	29.954	51.5	77.8	63.7	.433	54.4	65.2	NNE.	..	..	.3	Ci-s., Ci.
	13	24.3	763.70	29.946	52.3	79.2	64.7	.449	55.4	65.2	NNE.	..	..	.3	Ci-s., Ci.
	14	25.	763.60	29.939	55.1	80.3	66.3	.487	57.9	65.8	NW.	..	..	.3	Ci-s., Ci., S.
	15	25.6	763.55	29.934	57.5	81.7	68.5	.544	61.2	67.5	WSW.	..	..	.9	Ci-s., Ci., S.
	16	26.3	763.40	29.925	53.8	82.	67.5	.508	59.1	66.5	SW.	..	..	.6	Ci cu., Ci., S.
	17	27.	763.10	29.910	52.	82.	66.1	.462	56.3	65.4	SW.	..	..	.8	Ci-cu., Ci., Ci-s., S.
	18	27.2	763.10	29.908	56.2	80.5	67.5	.524	60.	68.3	WSW.	..	..	.7	Ci-cu., Cu., Ci., Ci-s., S.
	19	27.2	763.10	29.908	55.6	77.5	66.4	.522	59.9	72.1	WSW.	..	..	.5	Ci-cu., Cu., Ci., Ci-s., S.
	20	26.9	763.15	29.912	56.4	73.1	64.8	.520	59.8	78.	WSW.	..	..	.3	Ci-cu., Ci., S.
	21	26.8	763.50	29.927	56.	69.8	63.6	.521	59.9	83.9	WSW.	..	..	.2	Ci-cu., Ci.
	22	26.3	763.50	29.929	57.5	68.4	62.7	.509	59.2	86.9	WSW.	..	..	.3	Ci.
	23	25.6	763.75	29.942	59.	67.5	62.7	.518	59.7	90.	WSW.	..	...	.2	Ci-cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
24	0	25.3	761.10	29.840	60.	65.4	62.5	.537	60.8	97.	SSW.	..	..	..	Clear.
	1	25.1	760.60	29.822	62.3	64.5	64.	.570	62.6	98.5	SSW.	..	..	.9	Cu.
	2	24.9	760.30	29.806	62.9	68.	65.	.584	63.3	97.	SSW.	..	..	.9	Cu., Cu-s.
	3	24.7	760.00	29.800	64.2	68.	65.5	.601	64.2	98.	SSW.	..	..	.8	Cu , Ci-cu., Cu-s.
	4	24.5	759.70	29.789	65.	67.6	65.6	.608	64.5	99.	SW.	..	..	.7	Ci cu., Ci s
	5	24.3	759.65	29.787	64.1	67.2	65.4	.605	64.4	99.5	SW.	..	..	.3	Ci cu., Cu-s.
	6	24.2	759.60	29.786	65.2	69.1	66.8	.630	65.6	98.4	SW.	..	..	.1	Ci-cu., Cu s.
	7	24.6	759.60	29.784	66.	72.4	68.	.633	65.8	92.	SW.	..	..	.05	Ci., Ci s.
	8	25.1	759.50	29.778	66.2	76.9	69.3	.638	66.	87.2	SW.	..	..	.02	Ci-cu., Ci s
	9	25.6	759.35	29.769	65.8	78.7	69.7	.621	65.2	81.9	W.	..	..	.01	Ci cu., Ci s
	10	26.1	759.25	29.763	66.5	81.5	71.	.635	65.9	78.9	W.	..	..	.1	Ci., Ci-s.
	11	26.8	759.00	29.750	61.2	84.3	70.	.569	62.5	73.	W.	..	..	.2	Ci., Ci-s.
	12	27.4	758.60	29.731	57.6	86.7	67.9	.471	56.9	66.6	W.	.3	.	.3	Ci-cu., Ci., Ci s.
	13	28.	758.35	29.719	55.2	87.	67.	.439	54.8	64.8	WNW	1.0	.	.7	Ci-cu., Ci., Ci s.
	14	28.6	758.25	29.712	57.5	88.	69.	.495	58.3	64.	WNW.	1.1	.	.8	Ci cu., Ci., Ci-s
	15	28.9	757.90	29.697	58.8	88.	69.9	.527	60.2	65.5	W.	1.0	..	.6	Ci-cu , Ci., Ci s
	16	29.4	758.15	29.704	62.1	87.8	71.2	.573	62.7	68.3	W.	.7	..	.8	Ci cu., Ci., Cu.
	17	29.9	758.30	29.709	61.	87.	70.6	.560	62.	69.	WNW.	1.0	..	.9	Ci-cu., Ci., Ci s., Cu.
	18	30.1	758.80	29.728	61.7	84.8	70.	.564	62.3	71.5	WNW.	.7	..	.7	Ci-cu., Ci., Ci s., Cu.
	19	30.2	759.40	29.750	61.9	81.9	69.5	.578	63.	75.2	WNW.	.3	..	.8	Ci cu., Ci., Cu-s., Cu.
	20	29.8	759.90	29.772	64.	79.	69.6	.614	64.8	80.9	WNW.	.03	..	.9	Ci-cu., Ci s., Cu.
	21	29.6	760.40	29.793	65.7	78.	69.	.618	65.	82.9	WNW.	..	..	1.0	Hazy, Cu.
	22	29.4	760.70	29.815	64.	76.5	68.7	.612	64.7	85.2	WNW.	..	..	1.0	Hazy, Cu.
	23	28.9	761.05	29.820	64.2	74.9	68.3	.615	64.9	88.2	WNW.	..	..	1.0	Hazy, Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
25	0	28.6	761.40	29.856	63.	74.6	66.2	.549	61.4	89.1	NW.	..	..	1.0	Hazy, Cu.
	1	28.	761.60	29.847	60.	71.4	64.6	.534	60.6	89.	NNW.	..	..	.9	Hazy, Cu.
	2	27.8	761.90	29.860	58.3	69.5	63.6	.523	60.	90.4	N.	..	..	.6	Hazy, Cu-s., Cu.
	3	27.2	762.15	29.871	57.4	67.9	61.6	.481	57.5	90.3	N.	.1	..	.5	Cu-s., Cu.
	4	26.6	762.60	29.892	55.	67.	60.5	.459	56.1	89.	N.	..	..	.8	Cu-s., Cu.
	5	26.1	763.05	29.912	54.2	64.	58.8	.445	55.2	91.2	N.	..	..	.1	Cu-s, Ci-cu.
	6	25.8	763.75	29.941	53.6	65.3	59.3	.444	55.1	90.5	N.	..	..	..	S.
	7	25.9	764.30	29.963	53.3	68.2	60.4	.443	55.	81.	N.	..	..	.2	Ci., S., Cu-s.
	8	26.1	764.80	29.982	53.8	70.9	60.	.401	52.1	79.4	NNE.	..	..	.3	S.
	9	26.5	765.15	29.994	50.3	73.	60.5	.392	51.4	76.8	NE.	..	..	.1	S., Ci.
	10	26.8	765.30	29.998	48.3	74.8	60.	.357	48.7	70.9	NE.	.1	..	.1	S.
	11	27.2	765.50	30.003	46.	76.6	59.3	.317	45.2	67.	NE.	.2	..	..	S.
	12	27.6	765.30	29.994	45.9	78.	60.6	.339	47.2	65.	NNE.	.2	..	..	Clear.
	13	27.7	765.05	29.983	45.3	79.	60.5	.325	45.9	64.8	N.	.1	..	..	Clear.
	14	27.8	764.80	29.974	45.6	80.2	61.5	.341	47.4	63.3	NNW.	.05	..	..	Clear.
	15	28.	764.95	29.979	50.2	81.	62.	.346	47.8	62.9	NNW.	.05	..	1.0	Hazy.
	16	28.3	764.75	29.969	51.4	81.6	62.8	.363	49.2	63.	NW.	..	..	1.0	Hazy.
	17	28.5	764.75	29.968	55.	82.1	66.5	.473	57.	65.5	NW.	..	..	1.0	Hazy.
	18	28.8	765.00	29.975	55.	80.5	65.8	.469	56.7	67.9	W.	..	..	1.0	Hazy.
	19	28.7	765.00	29.976	53.6	76.5	65.5	.505	58.9	73.7	W.	..	..	1.0	Hazy.
	20	28.7	765.40	29.992	54.7	72.1	63.2	.482	57.5	78.8	W.	..	..	.1	Ci-s.
	21	28.5	766.40	30.033	59.	69.	63.2	.517	59.6	91.	SW.	..	..	..	Clear.*
	22	27.8	767.00	30.060	57.	67.	62.	.503	58.8	91.	SSW.	..	..	..	Clear.
	23	27.	766.90	30.061	58.	65.6	61.2	.495	58.3	93.4	SSW.	..	..	..	Clear.

* At 21*h.* 30*m.*, streamers to N., flaming to about 30°. At 22*h.*, streamers very bright, reaching about 40°. At 22*h.* 15*m.*, light very faint, and gradually disappearing.

Day.	Hour.	Barometer: Temperature, centigrade.	Barometer: Thm'd height, millimetres.	Barometer: Corr. height, inches.	Mean vapour.	Hygr.	Wea.	Mean of vapour, ins.	Var. in vapour, ins.	Mean of hygr.	Var. in hygr.	Mean of wea.	Var. in wea.
26	0	26.3	767.20	30.075	31.9	84.	60.	.420	.001	84.	1.	60.	0.
	1	26.	766.90	30.063	31.9	82.	59.	.422	.001	82.	1.	59.	0.
	2	25.5	766.90	30.063	31.4	82.	59.	.419	.001	82.	1.	59.	0.
	3	24.9	766.75	30.064	30.9	82.	59.	.408	.001	82.	1.	59.	0.
	4	24.3	767.00	30.076	31.8	81.	59.	.420	.001	81.	1.	59.	0.
	5	24.	767.50	30.097	32.3	81.	59.	.426	.001	81.	1.	59.	0.
	6	23.7	767.85	30.114	32.3	84.	60.	.426	.001	84.	1.	60.	0.
	7	23.7	767.80	30.112	32.	82.	60.	.420	.001	82.	1.	60.	0.
	8	24.3	767.85	30.110	32.	82.	62.	.420	.001	82.	1.	62.	0.
	9	24.7	767.70	30.103	32.2	78.	62.	.421	.001	78.	1.	62.	0.
	10	25.	767.70	30.101	31.5	78.	61.3	.418	.001	78.	1.	61.3	0.
	11	25.5	767.65	30.099	30.	79.	60.	.398	.001	79.	1.	60.	0.
	12	26.	767.10	30.078	30.3	80.6	60.	.399	.001	80.6	1.	60.	0.
	13	26.4	766.70	30.056	30.6	80.2	60.	.404	.001	80.2	1.	60.	0.
	14	26.9	766.30	30.037	30.4	80.6	60.7	.400	.001	80.6	1.	60.7	0.
	15	27.4	765.75	30.013	29.9	83.9	70.6	.390	.001	83.9	1.	70.6	0.
	16	27.8	765.25	29.991	29.4	83.5	71.	.381	.001	83.5	1.	71.	0.
	17	28.3	764.90	29.975	28.9	83.	71.	.370	.001	83.	1.	71.	0.
	18	28.4	764.75	29.969	28.8	80.7	69.6	.364	.001	80.7	1.	69.6	0.
	19	28.3	764.70	29.967	28.7	77.8	68.	.358	.001	77.8	1.	68.	0.
	20	28.7	765.00	29.977	28.8	78.4	68.6	.370	.001	78.4	1.	68.6	0.
	21	27.6	765.15	29.983	29.6	71.9	68.	.379	.001	71.9	1.	68.	0.
	22	27.2	765.20	29.991	29.5	70.5	66.6	.376	.001	70.5	1.	66.6	0.
	23	26.8	765.10	29.990	29.3	69.6	66.7	.366	.001	69.6	1.	66.7	0.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
27	0	26.1	761.90	29.986	61.8	69.8	65.6	.583	63.3	95.8	SSW.	.2	..	..	Clear.
	1	25.9	764.35	29.963	62.	69.8	65.3	.573	62.7	95.8	SSW.	.2	..	.3	S. at Hor.
	2	25.4	763.65	29.940	63.7	69.	65.4	.585	63.4	97.	SSW.	.2	..	.3	S., Cu.
	3	25.1	763.55	29.937	62.2	69.	65.5	.589	63.6	97.	SSW.	.1	..	.7	Ci., Cu.
	4	24.8	763.50	29.937	62.2	68.5	65.8	.604	64.3	98.	SW.	..	..	1.0	Cu-s., Cu., S.
	5	24.1	763.60	29.943	63.8	68.2	65.5	.598	64.	99.2	SW.	..	..	.95	Cu-s., Ci-cu., Cu.
	6	24.5	763.80	29.950	65.2	69.9	67.	.627	65.5	99.	SW.	..	..	.95	Ci., Cu-s., Ci-cu., Cu.
	7	25.	763.80	29.947	65.5	73.	68	.625	65.4	92.1	SW.	..	..	.9	Ci., Ci-cu., Cu.
	8	25.3	764.10	29.958	67.5	76.5	70.5	.673	67.6	89.5	WSW.	..	..	.9	Ci , Ci-cu., Ci-s.
	9	25.9	764.50	29.971	67.	80.7	71.9	.676	67.8	84.7	WNW.	..	..	.9	Ci., S., Ci-cu.
	10	26.4	764.60	29.973	66.4	83.3	72.5	.669	67.4	81.9	WNW.	.05	..	.8	Ci., S., Ci cu.
	11	27.	764.60	29.970	67.5	85.5	73.	.663	67.2	78.9	NW.	.1	..	.5	Ci., S., Ci-cu.
	12	27.8	764.60	29.966	67.7	88.	74.	.673	67.6	76.9	NW.	.1	..	.3	Cu., S., Ci-s.
	13	28.4	764.30	29.951	68.	89.8	74.8	.684	68.1	74.9	WNW.	.1	..	.5	Cu., S., Ci-s.
	14	29.2	764.40	29.951	67.	90.7	74.5	.662	67.1	73.1	NW.	..	..	.7	Cu., S., Ci-s.
	15	29.7	764.30	29.945	72.3	90.5	77.5	.782	72.2	75.6	NW.	..	..	.7	Cu., S., Ci-s.
	16	30.2	764.40	29.945	67.3	90.3	75.3	.698	68.8	72.5	WNW.	..	..	.5	Cu., S., Ci-s.
	17	31.	764.20	29.935	59.7	92.2	74.4	.642	66.2	66.5	NW.	..	..	.3	Cu., S., Ci.
	18	31.3	764.35	29.939	59.3	91.6	73.6	.618	65.	65.2	NE.	.1	..	.1	Cu., S.
	19	31.3	764.80	29.957	69.8	83.6	75.4	.775	72.	85.6	SE.	.3	..	1.0	Cu., S., hazy, Ci., Ci-s.
	20	30.9	765.20	29.974	68.	79.7	72.2	.698	68.8	87.5	SE.	.1	..	1.0	S., Ci., Ci-s.
	21	30.5	765.55	39.987	68.2	77.3	71.	.682	68.	90.	SE.	..	..	..	Clear.
	22	30.2	765.70	29.996	67.2	76.	70.2	.668	67.4	91.4	SE.	..	..	..	Clear.
	23	29.9	765.65	29.998	67.2	74.	69.4	.662	67.1	93.5	SE.	..	..	..	Clear.

Day	Hour	Barometer. Temperature, centigrade	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered. 10ths.	Clouds, and direction of their strata
28	0	28 9	765.65	29.998	66.	72.8	68.6	.649	66.5	95.3	SE.	..	..	.	Clear.
	1	28 4	764.90	29.975	66.6	71.7	68.	.640	66.1	96.	SE.	..	.	.	Clear.
	2	27 9	764.60	29.966	64.6	70.8	67.	.616	64.9	96.	SE.	..	..	.2	Ci-s.
	3	27.6	764.45	29.961	64.6	70.7	67.	.618	65.	96.2	SE.	..	..	.1	Cu-s. at Hor.
	4	27.	764.40	29.962	63.2	69.7	66.5	.612	64.7	97.	SE.	..	..	.2	Cu-s., Cu.
	5	26.2	764.40	29.966	64.4	69.5	66.5	.614	64.8	98.0	SE.	..	..	.2	Ci., Ci-cu., Ci-s
	6	26.3	764.50	29.969	64.6	70.1	66.8	.618	65.	98.7	SE.	.	..	.2	Ci., Cu., S.
	7	26.7	764.75	29.977	66.4	74.3	69.3	.655	66.8	96.8	ESE.	..	..	.6	Ci., Cu., Ci-cu.
	8	27.1	764.40	29.961	70.3	77.8	72.8	.741	70.6	93.2	ESE.	..	..	.8	Ci., Ci-cu.
	9	27.8	764.05	29.944	73.3	82.9	76.9	.841	74.5	91.6	ESE.	..	.	.9	Ci., Ci-cu.
	10	28 7	763.90	29.934	75.5	86.5	79.	.887	76.2	89.	SE.	..	.	1.0	Ci., hazy, Cu., Ci-cu
	11	29.4	763.55	29.916	74.3	88.7	79.4	.881	76.	86.	SSE.	.3	..	1.0	Ci., hazy, Ci-s., Ci-cu
	12	30.	762.90	29.889	73.	90.5	79.4	.861	75.3	83.	S.	.4	..	1.0	Ci., hazy, Cu., Ci-cu
	13	30.4	762.55	29.872	70.6	91.6	78.	.790	72.6	79.1	SSW.	.8	..	1.0	Ci., hazy, Cu.
	14	32.4	762.25	29.851	72.	92.6	79.	.820	73.7	78.7	SSW.	1.0	..	1.0	Ci., hazy, Cu., Ci-s.
	15	32.4	761.30	29.814	70.5	91.6	77.6	.774	71.9	78.2	SSW.	1.2	..	1.0	Ci., hazy, Cu., S.
	16	33.4	760.85	29.797	69.4	93.	77.9	.771	71.8	76.7	SSW.	1.1	..	1.0	Ci., hazy, Cu., S.
	17	32.5	760.60	29.787	70.3	92.7	78.6	.808	73.1	77.3	SSW.	.8	..	.9	Ci., Ci-s., Ci-cu.
	18	32.8	760.25	29 771	71.	89.9	77.9	.805	73.2	81.	S.	.4	..	1.0	Ci., Ci-s., Ci-cu., S
	19	32.4	760.30	29.775	71.3	86.	77.4	.827	74.	85.	S.	.1	.	1.0	Ci-s.
	20	31.9	760.10	29.769	72.2	83.	76.7	.833	74.2	91.5	S.	.	..	.8	Ci-s., Ci.
	21	31.3	759.75	29.758	72.0	81.5	76.	.829	74.1	93.	S.	.	..	.2	Ci-s. in Hor.
	22	31.5	759.80	29.760	70.9	80.3	73.5	.731	70.2	91.2	SSW.	..	..	.1	Ci-s. in Hor
	23	31.	759.85	29.764	69.9	80.	72.9	.720	69.7	90.9	SS .	.01	..	..	Ci-s.

[91]

1843

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
29	0	29.7	759.65	29 862	70.3	79.	72.8	.728	70.	92.3	SW.	.2	..	..	Clear.
	1	30.	759.20	29.745	70.1	77.9	72.7	.736	70.4	93.9	SW.	.4	..	..	Ci-s.
	2	30.7	758.65	29.718	72.	76.5	72.5	.744	70.7	97.	SW.	.3	..	.2	Cu.
	*3	29.3	758.80	29.731	71.5	76.2	73.	.766	71.6	97.8	SW.	.1	..	.1	Cu.
	4	28.9	758.50	29.720	71.8	75.5	72.9	.769	71.7	97.8	SW.	..	..	1.0	Ci., Ci-cu.
	5	28.7	758.50	29.722	71.8	75.5	73.	.774	71.9	97.4	SW.	..	..	.2	Ci., Ci cu., S.
	6	28.3	758.70	29 731	72.	76.3	73.5	.783	72.3	96.8	SW.	..	..	.6	Ci., S.
	7	28 8	759.05	29.741	72.3	79.5	74.5	.785	72.4	92.8	SW.	..	..	.6	Ci., Ci-cu., S.
	8	29.3	759.05	29.740	72.5	82.2	75.5	.794	72.7	89.3	WSW.	..	..	1.0	Ci., S.
	9	29.7	759.20	29.744	72.3	84.6	75.2	.756	71.2	84.7	W.	..	..	1.0	Ci., Ci-s., S.
	10	30.3	759.30	29.744	71.8	87.	76.	.761	71.4	81.1	W.	..	..	1.0	Ci., Ci cu., Ci s., Cu.
	11	31.	759.35	29.742	70.4	88.8	76.	.741	70.6	79.5	W.	.05	..	1.0	Ci., Ci-cu., Ci-s., Cu.
	12	31.2	759.40	29.745	70.6	90.	76.5	.747	70.8	78.2	W.	.15	..	1.0	Ci., S., Cu., Ci s.
	13	31.6	759.25	29.736	70.5	90 2	76.5	.745	70.8	77.7	WNW.	.2	..	1.0	Ci., S., Cu., Ci-s.
	14	32.4	759.00	29.723	69.6	91.2	76.4	.730	70.1	75.7	W.	.4	..	1.0	Ci., S., Cu., Ci s.
	15	32.6	758.70	29.712	75.	88.1	77.	.788	72.5	80.5	WNW.	.7	..	1.0	Cu., N.
	16	32.	759.25	29.735	69.8	77.7	72.2	.720	69.7	93.8	WSW.	.7	.04	.9	Cu., N., Ci-cu.
	17	32.1	759.20	29.733	70.1	83.3	75.8	.793	72.7	89.	SSW.	..	..	.9	Cu., Ci., Ci-s.
	18	31.8	759.45	29.744	72.2	83.2	76.2	.810	73.4	89.5	WSW.	..	..	1.0	S., Cu., Ci., Ci-cu., Ci s., Cu-s.
	19	31.5	759.30	29.740	72.3	81.	74.9	.784	72.3	90.2	SW.	..	..	.8	S., Cu., Ci, Ci cu., Ci-s.
	20	31.	759.50	29.749	72.2	78.8	74.	.774	71.9	93.4	SW.	..	..	.9	S., Cu., Ci., Ci-cu., Ci-s., Cu-s.
	21	30.9	759.80	29.762	72.5	78.2	73.9	.777	72.1	95.1	SW.	..	..	1.0	S., Cu., Ci., Ci-cu., Ci-s., Cu-s.
	22	30.7	760.00	29.771	72.3	77.	73.5	.775	72.	96.7	SW.	..	..	.8	Cu., Ci-cu.
	23	29.5	760.00	29.797	72.5	75.1	72.5	.759	71.3	100.	SW.	..	..	.2	Cu.

* Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
31	0	25.3	761.00	29.836	65.	66.8	65.6	.617	65.	99.3	NE.	..	..	1.0	N., raining.
	1	25.	760.85	29.832	64.8	66.6	65.4	.612	64.7	99.1	NE.	..	.045	1.0	N., raining
	2	24.9	760.60	29.822	64.9	66.7	65.5	.615	64.9	99.2	NE.	..	.030	1.0	N., raining.
	3	24.8	761.05	29.841	64.8	66.5	65.3	.610	64.6	99.	NE.	..	.025	1.0	N., raining.
	4	24.6	761.50	29.860	63.4	65.5	64.1	.583	63.3	99.	NE.	..	.035	1.0	N., raining.
	5	24.1	761.85	29.875	61.	63.7	62.	.540	61.	98.3	NNE.	.1	.090	1.0	N., raining
	6	23.7	762.30	29.895	59.8	62.5	60.9	.521	59.0	99.	NNE.	.4	.060	1.0	N., raining
	7	23.4	762.60	29.908	60.5	63.3	61.6	.533	60.6	98.8	NNE.	..	.035	1.0	N., raining
	8	23.3	763.10	29.927	60.2	63.4	61.4	.526	60.2	98.3	NNE.	..	.050	1.0	N., raining.
	9	22.9	763.50	29.945	60.1	63 6	61.5	.527	60.2	97.6	NNE.	..	.075	1.0	N., raining
	10	23 7	763.55	29 948	55.8	62 6	58.8	.460	56.2	92.4	NE.	..	.000	1.0	N., raining.
	11	22.7	763.60	29.950	56.8	64.5	60.	.473	57.	91.8	ENE.	..	.035	1.0	N., S.
	12	22.7	763.65	29.952	59.9	65.9	62.3	.525	60.1	93.2	ENE.	..	.005	1.0	N., S.
	13	22.7	763.80	29.946	60.6	67.1	63.1	.535	60.7	92.	NE.	..	.002	1.0	Cu-s., S.
	14	22.8	763.90	29.962	59.2	68.	62.4	.501	58.9	88.3	NE.	..	.001	1.0	Cu-s., S.
	15	22.9	763.50	29 945	58.	67.5	61.5	.488	57.6	86.4	N.	..	..	1.0	Cu-s., S.
	16	22.9	763.00	29.925	58.4	68.9	62.5	.496	58.4	86.2	N.	..	..	1.0	Cu s., S.
	17	23.2	763.40	29.939	58.	68.7	62.3	.493	58.2	86.	N.	..	..	1.0	Cu-s., Cu
	18	23.	763.25	29 935	59.2	67.1	63.5	.548	61.4	93 8	N.	..	..	1.0	Cu-s., Cu
	19	22.8	763.55	29.948	60.2	65.8	63.1	.550	61.5	97.	N.	..	..	1.0	Cu-s., Cu., S
	20	22.6	763.85	29.961	61.8	64.8	62.6	.542	61.1	97.5	WNW.	..	..	1.0	Cu-s., Cu., fleecy.
	21	22.6	763.55	29.949	61.9	64.1	62.3	.545	61.2	98.5	SW.	..	..	1.0	Cu-s., hazy.
	22	22.3	763.60	29.952	60.5	63.4	62.	.540	61.	98.0	SW.	..	..	1.0	Cu-s., hazy.
	23	22.1	763.50	29.947	60.3	62.3	61.1	.530	60.4	96.7	SW.	..	..	.7	Cu-s., hazy.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
1	0	21.8	763 60	29.955	59.2	61.	59.9	.509	59.2	98.8	SW.	..	..	.70	Cu., hazy.
	1	21.7	763.65	29 933	59 4	61.	60.1	.515	59.5	99.	SW.	..	..	.70	Cu., Cu s.; 1*h*. 55*m*, raining.
	2	21.6	763.40	29.917	60.2	61.8	60.7	.524	60.	98.8	SW.	..	..	.90	Cu., N., Cu-s.; 2*h*. 45*m*., raining.
	3	21.4	762.75	29 924	60.2	62.	60.7	.521	59.9	98.5	SW.	..	..	.90	Cu., N., Cu-s.
	4	21.3	762.55	29.916	59.4	61.5	60.1	.509	59.2	98.5	W.	..	..	1.00	Cu., S., Cu-s.
	5	21.1	762.75	29.925	59.7	61.5	60.2	.512	59.4	98.8	NW.	..	..	1.00	Ci s., Ci-cu., Cu s.
	6	20 8	762.50	29.916	58.7	61.4	59.7	.499	58.6	97.9	NW.	..	..	1.00	Ci-s., Ci-cu., Cu-s.
	7	20.7	763.10	29.940	59.	62.3	60.4	.509	59.2	96.9	NNW.	..	..	.95	Ci s., Ci-cu., Cu-s.
	8	20.6	762.80	29 929	60.3	66.5	61.9	.506	59.	90.1	N.	..	..	.90	Ci-s., Ci-cu., Cu-s.
	9	21.2	763.20	29.942	56.8	69.5	62.2	.481	57.5	84.7	NE.	..	..	.90	Ci-s., Ci-cu., Cu s.
	10	21.6	763.05	29.934	55.2	71.2	62.2	.462	56.3	81.	ENE.	.1	..	.90	Ci-s., Ci-cu.
	11	22.1	762.80	29.922	54.	72.6	62.5	.455	55.8	78.7	ENE.	..	..	.90	Ci-s., Ci-cu., Cu s.
	12	22.7	762.30	29.899	55.2	74.	63.5	.470	56.8	76.	NE.	.2	..	.90	Ci-s., Ci-cu., Cu-s.
	13	23.2	762.00	29.885	53.	75.	62.7	.434	54.4	71.7	NE.	..	..	.90	Ci-s., Ci-cu., Cu-s.
	14	23.7	761.70	29.872	54.8	75 5	63 5	.451	55.6	71.8	ENE.	..	..	.95	Ci s., Ci-cu., Cu s.
	15	24.	761.25	29.852	52 2	75.	62.	.413	53.	70.8	ENE.	..	..	.95	Ci-s., Ci-cu., Cu-s.
	16	24.3	761.45	29.858	55.5	76.	64.	.462	56.3	72.1	ENE.	..	..	.95	Ci-s., Ci., Ci-cu., Cu-s.
	17	24.6	761.30	29.851	60.6	75.7	66.	.531	60.4	75.4	ENE.	..	..	.95	Ci-s., Ci., Ci-cu.
	18	24.7	761.10	29.843	59.	75 3	65.	.504	58.9	74.5	ENE.	..	..	.90	Ci-s., Ci., Ci-cu., Cu s.
	19	24.7	761.50	29.859	57.	73.	65.7	.552	61.6	82.4	ENE.	..	..	.40	S., Ci., Cu., Cu s.
	20	24.5	761.80	29.872	58.3	69.4	63.6	.514	59.5	85.2	ENE.	..	..	.80	S., Ci., Cu., Cu-s.
	21	24.5	762.00	29.879	58.5	67.1	62.7	.524	64.2	90.5	ENE.	..	..	.30	Ci.
	22	24.	762.10	29.885	60.1	64.1	61.6	.524	60.	97.	ENE.	..	..	.10	Ci., Cu. at Hor.
	23	23.5	762.10	29.887	59.	63.2	61.	.516	53.2	97.5	ENE.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
2	0	23.8	761.80	29.874	59.	61.8	60.4	.514	59.5	98.7	ENE.	..	..	..	Clear.
	1	23.2	761.65	29.871	57.8	60.5	59.1	.492	58.2	99.	ENE.	..	..	.05	Cu. in Hor.
	2	22.5	761.80	29.881	58.	60.6	59.2	.493	58.2	98.8	ENE.	..	..	.05	Cu., Ci-cu.
	3	22.2	761.70	29.878	56.8	59.4	58.	.473	57.	100.	ENE.	..	..	.1	Cu-s.
	4	21.7	761.70	29.881	56.2	59.5	58.	.472	56.9	99.	ENE.	..	..	.5	Cu s., S.
	5	21.3	762.00	29.894	56.1	59.4	57.9	.471	56.9	98 8	ENE.	..	..	.8	Cu-s., S., Cu., Ci.
	6	21.	762.00	29.896	58.	60.	58.7	.486	57.8	99.1	ENE.	..	..	.9	Cu-s., S., Cu., Ci.
	7	20.9	762.20	29.904	59.1	62.7	60.9	.519	59.8	97.7	ENE.	..	..	.9	Cu-s., Cu., Ci.
	8	21.	762.35	29.910	60.3	66.1	63.1	.550	61.5	94.5	NE.	..	..	.9	Cu-s., S., Ci.
	9	21.5	762.60	29.918	60.2	70.	64.	.530	60.4	89.9	NE.	..	..	.9	S., Ci-s.
	10	22.	762.70	29.919	58.	73.6	65.5	.537	60.8	83.1	NE.	..	..	.9	Cu s., S.
	11	22.6	762.80	29.920	54.8	75.5	64.7	.490	58.	76.	NE.	..	..	.95	Cu-s., S., Cu.
	12	23.8	762.55	29.903	55.4	77.	65.5	.499	58.6	75.	ENE.	..	..	1.0	Cu-s., S., Cu.
	13	24.	762.45	29.898	57.9	77.	67.6	.568	62.5	78.8	NE.	..	..	1.0	Cu-s., S., Cu.
	14	24.7	762.25	29.888	54.7	78.3	66.2	.503	59.2	73.9	ENE.	..	..	.9	Ci-cu., S., Cu.
	15	25.1	762.15	29.882	55.	78.6	66.3	.508	59.1	73.2	ENE.	..	..	1.0	Ci cu , S., Cu.
	16	25.5	762.20	29.881	54.7	78.4	66.2	.508	59.1	73.	E.	..	..	1.0	Cu-s., S., Cu.
	17	25.9	762.40	29.888	56.6	78.7	66.7	.521	59.9	72.8	E.	..	..	1.0	Cu-s., Ci., Cu.
	18	26.	762.70	29.899	58.	75.	67.	.571	62.6	81.	ESE.	..	..	1.0	Cu-s., Cu.
	19	25.7	763.15	29.918	57.8	72.5	66.	.565	62.3	85.	SE.	..	..	1.0	Cu-s., Ci-cu., Cu.
	20	25.4	763.25	29 924	60.3	70.6	65.1	.557	61.9	87.7	SE.	..	..	1.0	Cu-s., S., Ci cu., Cu.
	21	25.5	763.80	29.944	61.9	69.1	64.4	.552	61.6	90.6	SE.	..	..	.8	Ci-cu., Cu.
	22	25.4	763.95	29.952	60.3	68.1	64.1	.554	61.7	92.7	SE.	..	..	.4	Ci., Ci cu., Cu.
	23	24.6	764.00	29.957	61.4	66.4	63.1	.543	61.1	95.6	SE.	..	..	.3	Ci., Ci-cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
3	0	24.2	763.95	29.957	60.7	65.4	62.7	.542	61.1	97.	SE.	..	..	.5	Ci., hazy.
	1	23.9	763.85	29.954	59.2	65.4	62.5	.536	60.7	97.	SE.	..	..	.7	Ci., S., Ci-s.
	2	23 6	764.05	29.964	59.8	63.9	61.7	.529	60.3	99.	ESE.	..	..	.3	S.
	3	....	.....	.....	....	....	....	....	....	....	ESE.	..	..	..	
	4	22.8	764.45	29.984	60.	63.3	61.4	.527	60.2	97.5	ESE.	..	..	.8	Cu., S., Ci.
	5	22.4	765.00	30.006	61.	63.6	62.	.541	61.	97.	E.	..	..	1.0	Cu., Cu-s.
	6	22.	765.45	30.027	60.8	64.4	62.6	.550	61.5	96.9	E.	..	..	1.0	Cu., Cu-s., Ci-cu.
	7	22.	765 90	30.045	62.	65.8	63.8	.571	62.6	96.1	NE.	..	..	1.0	Cu., Ci-s., Ci-cu.
	8	22.	765.95	30.047	62.3	67.3	64.6	.579	63.1	94.2	NE.	..	..	.9	Cu., Ci., Ci-cu.
	9	22.4	766.35	30.060	60.1	69.8	63 9	.529	60.3	86.6	NE.	..	..	.5	Ci., S., *SSW.*
	10	22.9	766.80	30.077	60.	73.2	66.	.557	61.9	83.5	ENE.	..	..	.9	Ci s., S., *SSW.*
	11	23.5	767.15	30.086	59.6	75.	66.8	.563	62.2	81.9	ENE.	..	..	.95	Ci-s., Ci-cu., Cu., S., *SSW.*
	12	24.3	767.30	30.088	60.6	77.2	68.1	.581	63.2	79.6	E.	..	..	1.0	Ci-s., Ci., Ci-cu., Cu., S., *SSW.*
	13	24.8	767.30	30.087	59.3	78.3	68.3	.576	62.9	78.1	E.	..	..	.9	Ci-s., Ci., Cu., S., *SSW.*
	14	25.4	767.40	30.088	59.5	79.5	69.1	.589	63.6	78.5	E.	..	..	.95	Ci-s., Ci., Ci-cu., Cu., S., *SSW.*
	15	25.9	767.15	30.075	58.8	79.5	68.8	.579	63.1	76.9	SE.	..	..	.8	Ci-s., Ci., Cu., S., *SSW.*
	16	26.3	767.15	30.073	59.1	79.6	68.9	.581	63.2	77.2	ESE.	..	..	.9	Ci-s., Ci., Ci-cu., Cu., S., *SSW.*
	17	26.6	767.35	30.079	58.4	78.	68.5	.586	63.4	77.9	ESE.	.10	..	.9	Ci-s., Ci., Ci-cu., Cu., S., *SSW.*
	18	26.6	767.85	30.099	58.	76.3	67.4	.568	62.5	78.8	ESE.	.10	..	.9	Ci-s., Ci., Ci-cu., Cu., S.
	19	26.	768.40	30.123	60.	72.5	65.1	.536	60.7	80.6	SE.	.01	..	1.0	Ci-s., Ci., Ci-cu., Cu., S.
	20	25.6	768.70	30.136	58.7	69.6	63.5	.520	59.8	82.	SE.	..	..	.9	Ci., Ci-cu., Cu., S., *NW.*
	21	25.6	769.00	30.147	60.	68.5	63.8	.540	61.	84.8	SE.	..	..	.9	Ci., Ci-cu., Cu.
	22	25.2	769.30	30.161	61.7	67.1	63.7	.553	61.7	87.3	SE.	..	..	.9	Ci., Ci-cu.
	23	25.1	769.45	30.068	61.7	65.6	62.6	.536	60.7	88.9	SE.	..	..	.7	Ci., Ci-cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10t hs.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	D .	Wet.				Dir., points.	Force, lbs.			
4	0	24.8	769.70	30.180	61.	64.3	62.	.533	60.6	89.8	SE.	..	..	..	Cu. at Hor.
	1	24.4	769.75	30.183	60.8	63.8	62.	.539	60.9	90.8	E.	..	..	.05	Cu-s. at Hor.
	2	24.5	769.85	30.189	60.6	63.2	61.6	.534	60.6	91.5	ENE.	..	..	.4	Cu.
	3	23.7	769.80	30.189	61.4	63.5	62.	.542	61.1	92.	ENE.	..	..	.9	Cu.
	4	23.3	770.05	30.199	61.6	64.2	62.6	.552	61.6	92.	NE.	..	..	.9	Cu., Cu-s.
	5	23.1	770.05	30.201	62.	64.5	63.	.561	62.1	92.	NE.	..	..	1.0	Ci., Ci-cu., Cu s.
	6	22.5	770.25	30.211	62.4	65.3	63.6	.570	62.6	91.8	ENE.	..	..	1.0	Ci., Ci-cu., Cu s.
	7	23.5	770.65	30.227	62.8	66.6	64.2	.574	62.8	91.2	ENE.	..	..	1.0	Ci., Ci-cu., Cu-s.
	8	22.8	770.85	30.234	62.9	69.8	65.4	.576	62.9	88.7	ENE.	..	..	1.0	Ci., Ci-cu., Cu-s.
	9	23.2	770.90	30.233	60.3	72.2	65.8	.562	62.2	86.	ENE.	.1	..	.95	Ci-cu., Cu-s.
	10	23.6	770.90	30.232	60.	72.7	65.7	.554	61.7	84.3	ENE.	.1	..	.9	Ci-cu., Cu-s.
	11	24.2	770.75	30.223	60.8	75.7	67.2	.569	62.5	81.6	E.	.2	..	.8	Cu., Ci-cu., Cu s.
	12	24.7	770.70	30.219	58.9	78.	67.3	.546	61.3	78.3	E.	.35	..	.95	Ci-cu., Cu-s,
	13	25.2	770.75	30.218	57.8	79.	67.	.524	60.	75.8	E.	.3	..	1.0	Cu., Ci-cu , Cu-s.
	14	25.7	770.90	30.222	59.6	79.5	69.	.586	63.4	76.8	ESE.	.3	..	1.0	Cu., Ci-cu., Cu-s.
	15	26.2	770.85	30.218	57.6	79.6	67.4	.531	60.4	74.3	ESE.	.35	..	.6	Cu., Ci-cu., Cu-s.
	16	26.6	770.95	30.219	59.	78.6	67.3	.539	60.9	74.8	ESE.	.3	..	.9	Cu., Ci-cu., Cu s.
	17	26.8	771.10	30.225	55.4	77.4	67.2	.550	61.5	76.5	ESE.	.2	..	.9	Cu., Ci., Cu-s.
	18	26.6	771.20	30.229	56.2	75.5	66.	.532	60.5	78.2	ESE.	.1	..	.9	Cu., Ci , Cu-s.
	19	26.4	771.00	30.223	54.4	73.	63.9	.493	58.2	78.5	ESE.	..	..	.3	Ci-cu., Cu-s.
	20	26.2	771.10	30.228	55.2	71.1	62.9	.484	57.7	79.5	ESE.	..	..	.3	Ci-cu., Cu-s.
	21	25.9	771.20	30.233	54.	69.8	61.7	.463	56.8	79.7	E.	..	..	.3	Ci-cu., Cu-s.
	22	25.9	771.20	30.233	56.2	67.6	61.6	.485	57.7	82.2	E.	..	..	.3	Ci., Ci-s.
	23	24.8	770.95	30.229	57.8	66.4	61.4	.492	58.2	84.1	E.	..	..	1.0	Ci., Ci cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temprature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
5	0	24.5	770.85	30.426	57 8	66.4	61.4	.492	58.2	80.7	E.	..	..	1.0	Ci., Cu.
	1	24.2	770.40	30.209	59.8	66.3	62.1	.514	59.5	87 6	ENE.	..	..	1.0	Cu., hazy.
	2	23.9	770.10	30.198	61.	65.7	62.6	.535	60 7	88.5	ENE.	..	..	.2	Ci , Ci-cu.
	3	23.5	770.00	30.196	61.8	65.7	62.9	.545	61.2	89.2	ENE.	..	..	.9	Cu.
	4	23.2	770 20	30.205	62.	66.	63.4	.559	62.	90.7	ENE.	..	..	1.0	Cu., Ci cu.
	5	23.	770.30	30 211	62.3	66.5	64.	.569	62.5	91.	ENE.	.10	..	1.0	Cu s., Cu., Ci cu.
	6	22.8	770.50	30.220	63.3	67.2	64.8	.586	63.4	91.2	ENE.	.30	..	1.0	Cu-s , Cu., N., raining.
	7	22 8	770.55	30.222	64.1	67.	65.3	.604	64.3	93.	ENE.	.70	.005	1.0	Cu-s., N., raining.
	8	22 8	770.35	30.214	64.7	66 5	65.4	.613	64.8	94.7	ENE.	.60	.060	1.0	N., raining.
	9	22.7	770.40	30 216	65.8	67.5	66.4	.634	65.8	93.9	ENE.	.30	.136	1.0	N., raining.
	10	22.7	770.25	30 210	67.8	69.6	68.5	.680	67.9	93.9	ENE.	.07	.133	1.0	N., raining.
	11	22.7	769.90	30.197	68.7	70.5	69.3	.698	68.8	93 2	E.	.15	.150	1.0	S., N., raining.
	12	23.	769.40	30.176	69.2	71.2	70.1	.715	69 5	93.4	E.	.13	.030	1.0	S., N., raining.
	13	23.2	769.10	30.163	69.8	71.7	70.6	.729	70.1	95.6	E.	.30	.013	1.0	S., N.
	14	23.2	768 50	30.140	70.	72.	70.8	.733	70.3	95.4	ESE.	.70	..	1.0	S., N.
	15	23.3	767.85	30.115	70.	71.6	70.6	.730	70.1	96.	E.	.60	..	1.0	S., N.
	16	23.4	767.05	30.083	70.3	72.1	71.	.739	70.5	95.	E.	.90	.010	1.0	S., N.
	17	23 7	766.40	30.057	71.5	72.3	71.6	.758	71.3	95.2	ESE.	.20	.020	1.0	S., Cu., N., raining.
	18	23.8	766.55	30.061	74.	74.2	73.5	.806	73.2	96.	SSE.	.15	.800	1.0	S., Cu., N., raining.
	19	23.9	766.35	30.053	74.	74.4	73 7	.811	73.	96.	ESE.	.10	.570	1.0	S., N., raining.
	20	24.3	766.15	30.043	72 5	72.7	72.6	.790	72.6	96 5	SSE.	*..	2.060	1.0	N., raining; a tremendous thunder storm.
	21	24.6	766.00	30.036	73.1	73.2	73.2	.806	73.2	96.	SSW.	..	.090	1.0	N , raining.
	22	24.8	765.75	30.026	73.1	73.3	73.2	.805	73.2	96.	SSW.	..	..	1.0	Cu., N.
	23	24.7	765.60	30.020	72.4	73.8	72.8	.785	72 4	96.	SSW.	..	..	1.0	Cu., slight N.

* Tornado passing within a quarter of a mile of the observatory. For the force of wind, see general notes to the meteorological observations in July, 1843.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
8	0	26.8	764.05	29.949	73.	74.4	73.4	.800	73.	96.8	ESE.	..	..	1.0	S.
	1	27.1	763.90	29.911	71.8	74.	73.	.790	72.6	97.	SE.	..	..	1.0	S.
	2	27.1	763.75	29.935	72.	73.9	73.	.791	72.6	97.	SE.	..	..	1.0	Cu., Cu-s.
	3	26.4	763.30	29.921	71.9	73.5	72.5	.777	72.1	97.	SE.	..	..	.8	Cu., Ci., Cu s.; 2*h*. 15*m*., raining slightly.
	4	26.4	763.25	29.919	71.8	73.5	72.6	.781	72.2	97.	SSE.	..	..	.9	Cu., Ci-cu., Cu-s., S.
	5	26.2	763.20	29.918	72.2	73.2	72.6	.784	72.3	97.	SSE.	..	..	1.0	Ci-cu., Cu-s., S.
	6	25.9	763.40	29.927	73.	74.3	73.5	.805	73.2	97.	SSE.	..	..	1.0	Ci., Ci-cu., Cu s.
	7	25.8	763.85	29.945	73.5	75.3	74.2	.820	73.7	96.3	SSW.	..	..	1.0	Ci., Cu., Cu s.
	8	26.2	763.85	29.944	74.	77.4	75.4	.843	74.6	95.9	WSW.	..	..	1.0	Ci-cu., Cu., Cu-s.
	9	26.5	763.85	29.943	74.6	79.5	76.4	.859	75.2	94.9	SW.	..	..	.6	Ci-cu., Cu., S.
	10	27.3	763.95	29.942	76.3	82.2	78.5	.914	77.1	94.1	S.	..	..	.5	Ci-cu., Cu., S., Ci.
	11	27.6	763.80	29.935	74.6	84.2	78.4	.888	76.2	90.6	S.	.3	..	.5	Cu., S., Ci.
	12	28.4	763.40	29.915	74.	85.1	78.5	.882	76.	88.6	SSW.	.8	..	.4	S., Cu., Ci-cu., Ci., *W.*
	13	28.5	763.20	29.906	73.5	85.3	78.2	.868	75.5	87.4	SSW.	.9	..	.5	Cu., *W.*
	14	28.8	763.10	29.900	74.6	83.	77.2	.852	74.9	90.2	WSW.	.7	.007	1.0	S., Cu., N., raining.
	15	29.6	763.05	29.896	74.2	85.2	78.3	.873	75.7	88.8	SW.	.2	.013	.4	S., Cu., Ci.
	16	29.2	763.30	29.907	69.8	78.	72.7	.735	70.3	91.2	NNW.	.7	..	.95	S., Cu., N.
	17	28.9	763.70	29.924	71.2	75.	72.	.742	70.6	94.6	N.	.2	.038	1.0	S., Cu., N., raining.
	18	28.7	764.00	29.938	71.	75.2	73.1	.780	72.2	97.	NE.	..	.015	1.0	S., Cu., N., raining.
	19	28.	764.40	29.957	71.6	75.	73.	.779	72.1	97.	E.	..	.065	1.0	S., Cu-s., N., raining.
	20	27.8	764.60	29.966	72.	74.5	73.	.785	72.4	97.	SE.	..	.030	1.0	S., Cu., Ci-s.
	21	27.6	764.55	29.965	71.8	74.	72.7	.774	71.9	97.	SSE.	..	.027	1.0	S., Cu., Ci-cu.
	22	27.7	764.55	29.964	72.3	73.9	72.6	.777	72.1	97.	S.	..	..	1.0	Cu., N., raining.
	23	27.4	764.75	29.973	71.5	73.6	72.5	.776	72.	97.	S.	..	..	1.0	N., raining.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, °F. Dew point.	Thermometers, °F. Dry.	Thermometers, °F. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, tenths.	Clouds, and direction of their winds.
9	0	27.	764.50	29.966	70.8	72.6	71.	.733	70.3	97.	SW.	..	.070	1.0	Cu., N., raining.
	1	26.5	764.45	29.966	69.	71.6	69.9	.706	69 1	97.	W.	..	.020	1.0	N., raining
	2	26.4	764.05	29.951	69.	71.	69.6	.703	69.	97.	WNW.	..	.010	1.0	S , N., raining.
	3	26.3	763.90	29.945	68.9	70.7	69.3	.696	68.7	97.2	NW.	..	.015	1.0	N., raining.
	4	26.1	764.15	29.956	68.6	70.4	69.	.689	68.4	97.2	NW.	..	.010	1.0	N., raining.
	5	25.9	764.30	29.963	67.5	69 6	68.3	.673	67.6	97.8	NNW.	..	.010	1.0	N., raining.
	6	25.4	764.50	29.971	67.4	69.4	68.1	.668	67.4	97.8	N.	..	.035	1.0	N., raining.
	7	25.1	764 75	29.985	66.4	68 6	67.2	.648	66.5	97.2	NNE.	..	.070	1.0	Cu s., N., raining.
	8	25.	764.60	29.979	66.4	68.5	67.2	.619	66.5	97.3	NNE.	..	.026	1.0	N., raining.
	9	24.7	764.75	29.987	66.1	68.3	67.2	.652	66.7	97.3	NE.	..	.070	1.0	N., raining.
	10	24.4	764.90	29.994	66.2	68.2	67.2	.653	66.7	99.	N.	..	.560	1.0	N., raining.
	11	24.3	765.20	30.005	66.	68.5	67.2	.649	66.5	98.7	N.	..	.195	1.0	N., raining.
	12	24.1	765.05	30.000	66.1	69.1	67 5	.652	66.7	98.	NNE.	..	.050	1.0	N., S.
	13	23.9	764.15	30.005	66.2	69.7	67.8	.656	66.9	97.8	NE.	.4	.014	1.0	N., S.
	14	23.9	765.20	30.007	65.4	71.	68.	.647	66.1	95.5	NE.	.4	.	1.0	N., S.
	15	23.4	765.00	30.002	66.	71.	68.2	.655	66.8	96.4	NNE.	..	..	1.0	N., raining.
	16	23.8	765.00	29.999	66.7	70.5	68.5	.670	67.5	97.1	NNE.	..	020	1.0	N , raining.
	17	23.9	765.00	29.999	65.8	70	67.5	.642	66.2	96.9	NE.	..	.013	.98	Cu., Cu s.
	18	23.9	764.90	29.996	66.4	69.7	68.	.662	67.1	97.	NE.	..	.001	.98	Cu., Ci cu., Cu s.
	19	23.9	765.00	29.999	66.2	70.1	68.	.658	66.9	97.	NE.	..	..	.85	Cu., Ci-cu., Ci-s., Cu-s.
	20	23.8	764.90	29.996	66.1	69.	67.4	.650	66.6	98.	NE.	..	..	.9	Cu., Ci-cu., Ci-s.
	21	23.8	765.00	29.999	66.8	68.	66.8	.642	66.2	98.	NE.	..	..	1.0	Cu., Ci cu., Ci-s., S.
	22	23.5	764.95	30.000	66.2	67.4	66.3	.632	65.7	98.1	NE.	..	..	1.0	Cu., Ci-cu., Ci s.
	23	23.4	764.85	29.997	65.	66.1	65.1	.608	64.5	98.2	NE.	..	..	.8	Ci., Ci-cu., Ci s., S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
10	0	23.2	764.95	30.001	64.4	65.5	64.6	.599	64.1	98.3	NE.	..	..	.2	Ci-cu., Ci., Cu., S.
	1	23.2	764.90	29.999	64.	65.3	64.5	.598	64.	98.	NE.	..	..	.3	Ci cu., Ci., Ci-s.
	2	22.9	764.30	29.978	63.6	64.5	64.	.591	63.7	98.	NE.	..	..	.6	Ci-cu., Ci., Ci s.
	3	22.7	764.15	29.972	63.4	64.4	63.6	.580	63.1	98.	NE.	..	..	.5	Ci cu., Ci., Cu-s.
	4	22.3	763.80	29.960	63.2	64.6	64.	.599	64.1	98.	NE.	..	..	.8	Ci cu., Ci., Ci-s., Cu s.
	5	22.2	764.00	29.968	63.	64.5	63.6	.579	63.1	98.	NE.	..	..	.8	Ci cu., S., Ci, Cu-s.
	6	22.	764.35	29.984	63.7	65.2	64.4	.596	63.9	98.	NE.	..	..	.7	Ci-cu., Ci., S.
	7	22.2	764.10	29.972	64.9	67.9	66.2	.623	65.3	97.	NE.	..	..	1.0	Ci-cu., Cu-s., S.
	8	22.3	763.75	29.958	65.6	68.6	66.8	.635	65.9	97.	NE.	..	..	1.0	Ci-cu., Cu-s., S.
	9	22.6	764.00	29.967	66.5	70.6	68.1	.655	66.8	96.3	NE.	..	..	.95	Ci-cu., Cu-s., Ci.
	10	22.7	763.60	29.950	65.9	72.	68.4	.650	66.6	94.5	ENE.	..	..	1.0	Cu s, S.
	11	23.	763.55	29.947	66.3	72.3	68.6	.654	66.8	94.	ENE.	..	..	1.0	Cu s., Cu., *NE.*
	12	23.3	763.30	29.935	66.	71.6	68.5	.657	66.9	95.	ENE.	..	..	1.0	S., Cu-s., N., raining.
	13	23.4	762.80	29.916	66.8	71.8	68.9	.669	67.4	95.8	NE.	..	.005	1.0	Cu-s., N., raining.
	14	23.3	762.30	29.896	67.7	70.6	68.8	.679	67.9	97.7	NE.	..	.025	1.0	N., raining.
	15	23.3	761.65	29.871	67.8	70.1	68.6	.679	67.9	97.8	NE.	..	.060	1.0	N., raining.
	16	23.3	761.10	29.849	68.2	70.5	69.	.688	68.3	97.6	NE.	..	.013	1.0	N., raining.
	17	23.3	760.75	29.836	67.1	69.5	68.	.665	67.3	97.8	NE.	.25	.030	1.0	N., raining.
	18	23.3	760.30	29.818	66.6	69.	67.6	.657	66.9	98.	NE.	.10	.015	1.0	S., Cu-s., N.
	19	23.	760.30	29.820	66.5	69.	67.6	.657	66.9	98.	NE.	.02	..	1.0	S., Cu-s.
	20	23.	760.30	29.820	67.2	68.6	67.4	.655	66.8	98.	NE.	..	.017	1.0	S., N., raining.
	21	23.	760.10	29.812	67.1	68.6	67.4	.655	66.8	98.1	N.	..	.010	1.0	S., Cu., N.
	22	23.	759.55	29.790	66.6	69.	67.4	.655	66.8	98.	N.	..	..	1.0	Cu, Cu-s.
	23	23.	759.30	29.760	66.9	69.2	67.8	.662	67.1	98.	NNW.	..	..	1.0	S., Cu., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
11	0	22.9	759.55	29.791	67.	69.2	67.7	.658	66.9	98.	NW.	..	..	1.0	Ci., Ci-cu., Cu-s.
	1	22.9	759.65	29.795	66.3	68.7	67.2	.648	66.5	98.	NW.	..	..	.9	Ci., Cu., Ci-cu., Ci-s., Cu s.
	2	22.7	759.65	29.795	66.2	69.	66.7	.628	65.5	97.	NW.	.2	..	1.0	Cu., Cu s.
	3	22.7	759.95	29.807	66.	68.	65.4	.596	63.9	97.	NW.	.3	..	1.0	Cu., Cu s.
	4	22.4	760.15	29.816	66.	66.6	65.	.599	64.1	97.2	NNW.	.2	..	1.0	Cu., Cu-s.
	5	22.3	760.25	29.821	65.2	66.5	64.7	.591	63.7	97 5	NW.	..	..	1.0	Cu., Cu s.
	6	22.2	761.50	29.870	63.	67.	64.5	.579	63.1	95.9	WNW.	..	..	1.0	Ci., S., Cu-s.
	7	22.2	761.80	29.882	63.9	67.7	65.4	.599	64.1	96.4	NW.	..	..	1.0	Ci-cu , S., Cu., Cu-s.
	8	22.2	761.90	29 886	64.8	69.8	66.8	.622	65.2	95.1	WNW.	..	..	1.0	Ci-cu., S., N., Cu-s.
	9	22.6	762.30	29.900	66.6	72.	68.4	.650	66.6	93.8	WNW.	.1	.005	.3	Ci-cu., S., Cu.; 8h. 10m., raining.
	10	23.	762.30	29.898	65.8	72.8	68.	.628	65.5	90.8	NW.	.4	..	.2	Ci cu., S., Cu.
	11	23.4	762.00	29.884	63.	74.5	67.2	.584	63.3	85.5	NW.	.3	..	1.0	Hazy, S.
	12	24.	762.00	29.881	60 5	75.9	66.5	.544	61.2	80.	NNW.	.3	..	1.0	Hazy.
	13	24.2	762.25	29.890	60.4	76.7	66.7	.543	61.1	77.9	NW.	.1	..	1.0	Hazy.
	14	24.6	762.35	29.892	60.3	77.4	66.5	.528	60.3	76.3	NW.	..	..	1.0	Hazy, Cu.
	15	25.1	762.35	29 890	63.1	77.6	68.	.575	62.8	77.2	WNW.	..	..	1.0	Hazy, Cu.
	16	25 5	762 40	29.890	64.2	78.	68.6	.591	63.7	77.8	WNW.	..	..	1.0	Hazy, S., Cu.
	17	25.9	762.45	29.890	63.5	78.2	67 8	.562	62.2	75.8	WNW.	..	..	1.0	Ci., hazy, S.
	18	26.2	762.80	29.903	64.7	76.8	69.2	.624	65.3	78.2	WNW.	..	..	1.0	Ci., S.
	19	25.8	763.00	29.911	63.2	73.7	68.1	.621	65.2	84.	WNW.	..	..	1.0	Ci., S., Cu.
	20	25.2	763.35	29.928	63.2	72.1	66.9	.600	64.1	88.2	WNW.	..	..	.95	Ci., Cu.
	21	25.2	763.80	29.946	62.3	70.2	66.3	.600	64.1	92.3	WNW.	..	..	.95	Ci., Cu.
	22	25.6	763.70	29.943	62.2	69.1	65.5	.588	63.5	94.3	WNW.	..	..	1.0	Ci., Ci cu.
	23	24.8	763.85	29.951	62.1	69.1	65.5	.588	63.5	94.3	WNW.	..	..	1.0	Ci., Ci cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
12	0	24.5	763.75	29.948	62.	68.2	65.5	.598	64.	95.	WNW.	..	..	·9	Ci., Ci-cu.
	1	24.1	763.50	29.939	60.1	66.7	64.2	.573	62.7	96.4	WNW.	..	..	1.0	Ci-s., hazy.
	2	24.2	763.40	29.935	58.8	65.4	62.7	.542	61.1	97.	WNW.	..	..	.3	S. at Hor.
	3	23.7	763.15	29.928	59.	64.	62.5	.551	61.6	98.4	WNW.	..	..	1.0	S. at Hor.
	4	23.2	763.25	29.933	58.9	63.	61.5	.533	60.6	98.2	WNW.	..	..	1.0	S. at Hor.
	5	22.9	763.35	29.939	59.9	63.	61.1	.522	59.9	98.	WNW.	..	..	1.0	S., hazy.
	6	22.6	763.85	29.961	60.5	64.5	62.2	.537	60.8	97.	WNW.	..	..	1.0	Hazy.
	7	22.7	764.05	29.968	61.	67.3	63.3	.539	60.9	92.3	WNW.	..	..	1.0	Hazy.
	8	23.2	764.00	29.963	60.	70.8	64.2	.527	60.2	85.6	NW.	..	..	1.0	S., hazy.
	9	23.4	764.20	29.971	60.6	72.	64.8	.532	60.5	84.8	NW.	.05	..	1.0	S., hazy.
	10	23.5	763.95	29.960	61.8	75.1	67.1	.571	62.6	82.9	NW.	..	..	1.0	S., hazy.
	11	24.3	763.85	29.952	61.	77.	66.5	.530	60.4	76.8	WNW.	..	..	1.0	S., hazy.
	12	24.7	763.65	29.943	57.8	77.5	64.5	.461	56.2	73.	WNW.	.20	..	1.0	S., hazy.
	13	25.	763.65	29.941	60.5	79.	67.	.524	60.	73.	W.	.10	..	1.0	S., hazy.
	14	25.5	763.45	29.931	62.8	79.8	68.7	.575	62.8	75.5	W.	..	..	1.0	S., hazy.
	15	26.2	763.15	29.916	64.5	81.2	69.5	.586	63.4	74.8	W.	..	..	1.0	S., hazy.
	*16	26.7	763.35	29.921	64.	80.3	72.3	.695	68.6	80.5	WNW.	..	..	1.0	S., hazy.
	17	26.9	763.20	29.914	67.	80.8	72.7	.704	69.	81.8	W.	..	..	1.0	S., Ci.
	18	27.3	763.25	29.914	66.2	78.3	71.7	.695	68.6	84.5	WSW.	..	..	1.0	S., Cu., Ci.
	19	26.8	763.35	29.921	65.4	75.7	70.5	.682	68.	89.4	WSW.	..	..	1.0	S., Ci-s., hazy.
	20	26.5	763.45	29.927	66.	73.1	69.3	.669	67.4	93.5	WSW.	..	..	1.0	Ci., Ci-s., hazy.
	21	26.4	763.55	29.931	65.8	71.8	68.6	.660	67.	95.9	WSW.	..	..	1.0	Ci., Ci-s., hazy.
	22	26.2	763.65	29.936	65.9	70.4	67.4	.634	65.8	95.3	WSW.	..	..	1.0	Ci., Ci-s., hazy.
	23	25.7	763.70	29.940	65.7	69.1	66.8	.629	65.6	97.	WSW.	..	..	1.0	Ci., Ci-s., hazy.

* Thirty-six minutes late.

te.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
14	0	26.1	762.55	29.893	66.9	69.8	67.9	.658	66.9	98.9	SSW.	..	..	1.0	Ci., hazy.
	1	25.9	762.05	29.874	65 9	68.7	67.	.640	66.1	99.9	SSW.	..	..	1.0	S., hazy.
	2	25.7	761.85	29.868	64.8	67.6	66.1	.624	65.3	99.6	SSW.	..	..	1.0	S , hazy.
	3	25.3	761.50	29.856	64 2	67.5	65.9	.618	65.	99.8	SSW.	..	..	1.0	S., dense fog, hazy.
	4	24.9	761.45	29.855	63.8	66.	65.	.606	64.4	99.8	SSW.	..	..	1.0	S., dense fog, hazy.
	5	24.8	761.80	29.871	64.2	66.2	65.2	.610	64.6	99.3	SSW.	..	..	1.0	S., dense fog.
	6	23.8	761.80	29.874	64.6	66.	65.	.606	64.4	99.2	SSW.	..	..	1.0	S., hazy.
	7	24.2	761.60	29.865	67.7	70.	68.7	.683	68.1	98.2	SSW.	..	..	1.0	S., hazy.
	8	24.6	761.35	29.853	68.5	73.	70 4	.707	69.1	95.3	SSW.	..	..	1.0	S., hazy.
	9	25.1	761.15	29.843	71.8	77.	74.	.794	72.7	95.3	SSW.	.2	..	1.0	S., Cu-s., hazy.
	10	26.	761.15	29.838	70.	78.6	73.8	.769	71.7	91.9	S.	.8	..	.6	Cu.
	11	26.4	760.70	29 820	69.3	79.5	73.8	.759	71.3	88.7	SSW.	1.3	..	.5	Cu.
	12	27.2	760.20	29.795	67.6	80.9	73.8	.744	70.7	86.4	SSW.	1.3	..	.6	S., Cu., Ci.
	13	27.3	759.90	29.783	65.	81.	73.	.713	69 4	82.9	SSW.	1.6	..	.4	S., Cu., Ci.
	14	28.2	759.15	29.749	64.7	82.	73.6	.723	69.8	83.5	SSW.	1.7	..	.3	S., Cu., Ci.
	15	28.4	758.40	29.719	64.6	82.2	73.7	.725	69.9	83.4	SSW.	1.7	..	.25	Cu-s., Cu., Ci.
	16	28.3	758.10	29.707	63.	82.	72.2	.673	67.6	81.2	SSW.	1.6	..	.25	Cu-s., Cu., Ci.
	17	28.4	757.55	29.686	69.2	80.8	73.5	.734	70 3	85.5	S.	1.7	..	.6	Ci-cu., Ci s.
	18	28.3	756.90	29.660	70 4	78 1	73.1	.748	70.9	89.9	S.	.7	..	.85	Ci-cu., Ci s.
	19	27.8	757.05	29.669	68.8	76.3	71.8	.720	69.7	93.2	S.	.8	..	?	Ci-cu., Cu-s., Ci-s.
	20	27.7	757.80	29.699	69.	75.1	71.1	.709	69.2	94.	S.	.4	..	1.0	Cu., S , N., raining.
	21	27.8	757.75	29.697	70.	74.2	71.6	.737	70.4	96.4	S.	.3	.018	1.0	Cu., S., N., raining.
	22	27.2	758.00	29.708	69.3	71.6	69.7	.699	68.8	96.7	SW.	.7	.230	1.0	Cu., S., N., raining.
	23	26.3	757.40	29.690	69.	71.2	69.5	.696	68.7	97.9	W.	..	.100	1.0	Cu., S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
15	0	24.8	757.20	29.690	69.	71.	69.4	.695	68.6	97.5	W.	..	..	1.00	Cu., S.
	1	25.8	757.70	29.704	68.6	70.5	68 8	.680	67.9	97.8	W.	..	..	.90	Cu.
	2	25.7	757.45	29.695	67.8	69.5	68.	.665	67.3	98.5	W.	..	..	.20	Cu., Ci-s.
	3	25.6	757.35	29.691	66.3	69 1	67.6	.656	66.9	98.	WNW.	..	..	.15	Cu s., Ci-s., Ci.
	4	25.2	757.40	29.695	65 2	67.7	66.5	.635	65.9	98.4	WNW.	..	..	.08	Cu-s., Ci.
	5	24 8	758.05	29.723	66.	68.2	66.9	.643	66.2	98.6	WNW.	..	..	.15	Ci cu., Ci.
	6	24.5	758.25	29.732	66 2	68.5	67.2	.650	66.6	98.5	NW.	..	..	.05	Ci-cu., Ci.
	7	24.8	758.70	29.749	67.	70.	68.3	.669	67.4	98.3	NW.	..	..	.05	Ci-cu., Cu-s., Ci.
	8	25.	758.85	29.753	66.6	72.	68.8	.664	67.2	95.9	NW.	.10	..	1.00	Ci-cu., hazy, S.
	9	25.3	759.20	29.765	67.8	74.1	69.8	.675	67.7	93.2	NW.	.50	..	1.00	Cu., hazy.
	10	25.6	759.35	29.769	68.2	76.	70.6	.682	68.	91.	NW.	.60	..	1.00	Cu., hazy.
	11	26.	759.40	29.769	67.6	77 5	70.6	.665	67.3	87.2	NW.	.80	..	.60	Cu.
	12	26.5	759.45	29.770	65.9	78.6	69.6	.619	65.1	84.3	WNW.	.90	..	.50	Cu., S.
	13	26.9	759.45	29.767	66.4	79.6	70.2	.628	65.5	81.2	WNW.	.60	..	.60	Cu., S.
	14	26.5	759.45	29.770	63.8	79.	68.7	.584	63 3	79.2	NW.	.80	..	.50	Cu , S.
	15	27.2	759.65	29.773	61.8	80.5	68.5	.560	62.	77.	NW.	1.2	..	.20	Cu.
	16	27.5	759.65	29.772	61.7	80.2	68.7	.570	62.6	75.8	NW.	.50	..	.40	Cu.
	17	27.6	759.70	29.774	61.2	80.6	68.5	.559	62.	75.	NW.	.50	..	.05	Cu.
	18	27.7	760.05	29.805	64.4	79.1	68.9	.589	63 6	77.2	WNW.	.40	..	..	
	19	27.	760.40	29.805	64.4	75.5	68.2	.606	64.4	81.9	WNW.	.40	..	.10	Ci , Ci-s.
	20	26.8	760.65	29.816	63.	71.6	66.5	.592	63.7	89.8	WNW.	.35	..	.05	Ci., Ci-s., Cu.
	21	26.8	760.95	29.828	63.4	70.4	66.1	.593	63.8	92.9	WNW.	.35	..	..	Clear.
	22	26.2	761.10	29.836	63.2	69.8	65.6	.584	63.3	92.9	WNW.	.35	..	.06	Ci., Ci-s.
	23	25.9	761.20	29.841	62.	69.4	65.1	.572	62.7	93.2	NW.	*.35	..	.60	Ci., Ci-s.

* It is probable that about .15 should be subtracted from the force of winds under .5 of a pound, for the remainder of the month.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
16	0	25.4	761.25	29.846	63.	68.6	64.4	.559	62.	93.	NW.	.35	..	.9	Ci-s.
	1	25.1	761.45	29.855	60.4	67.4	64.1	.562	62.2	95.8	NW.	.32	..	1.0	Ci., Ci-s.
	2	24.8	761.40	29.855	60.2	66.3	63.7	.562	62.2	96.	NW.	.32	..	1.0	Ci., Ci-s.
	3	24.5	761.45	29.858	59.6	66.	62.5	.529	60.3	94.2	NNW.	.32	..	1.0	Ci , Ci s.
	4	24.1	761.65	29.867	59.	64.7	62.	.529	60.3	96.	NNW.	.32	..	1.0	Ci., S., Ci s , Cu-s.
	5	23.7	762.25	29.890	59.7	63.8	61.6	.527	60.2	97.9	NNW.	?	..	1.0	Ci., S., Cu., Cu-s.
	6	23.2	762.50	29.904	59.5	63.8	61.5	.524	60.	97.1	NNW.	..	..	1.0	S , Cu., Cu-s.
	7	23.2	763.00	29.923	60.	65.8	62.5	.531	60.4	94.8	NNW.	..	..	.9	Cu , Cu s.
	8	23.6	763.10	29.926	60.4	70.6	64.7	.545	61.2	87.7	NNW.	.20	..	.6	S., Cu., Ci.
	9	24.3	763.25	29.928	62.2	72.7	65.6	.550	61.5	84.3	NE.	.50	..	.6	S., Ci.
	10	24.4	763.30	29.930	62.4	73.7	65.2	.526	60.2	80.9	NE.	.50	..	.4	S., Ci.
	11	24.8	763.45	29.935	63.	75.	66.2	.543	61.1	78.4	NE.	.40	..	1.0	Ci-cu., Ci s., hazy.
	12	25.3	763.40	29.930	63.2	76.	66.7	.549	61.4	77.4	NNE.	.40	..	1.0	Ci cu., Ci-s , hazy.
	13	25.6	762.80	29.905	61.3	76.7	66.7	.541	61.	77.	N.	.20	..	1.0	Ci cu., Ci s., hazy.
	14	26.	762.85	29.905	58.7	78.	66.5	.519	59.7	76.	WNW.	.15	..	.6	Ci-cu., Ci., Cu.
	15	26.6	762.75	29.898	58.3	78.6	66.7	.520	59.8	74.5	WNW.	.30	..	.7	Ci-cu., S , Ci., Cu.
	16	27.2	762.60	29.889	59.	79.3	67.5	.538	60.8	74.5	NW.	.20	..	.7	Ci cu., S., Ci., Cu.
	17	27.5	762.75	29.894	57.3	78.4	67.7	.556	61.8	75.3	WNW.	.20	..	.4	Ci-cu., Cu s , Ci., Cu.
	18	27.4	762.85	29.898	57.5	79.	68.5	.576	62.9	75.3	WNW.	.20	..	.2	Ci cu., Ci., Cu.
	19	27.1	762.85	29.900	61.9	74.	67.4	.595	63.9	85.9	WNW.	.20	..	.1	S., Ci.
	20	27.	763.00	29.906	63.1	71.	66.5	.598	64.	91.5	WNW.	.20	..	.05	S.
	21	26.8	763.25	29.917	65.	70.5	67.2	.627	65.5	94.4	NE.	.60	..	.1	S., Cu-s.
	22	26.3	763.50	29.929	64.	69.5	66.7	.622	65.2	96.3	SSE.	.60	..	.5	S., Cu-s.
	23	26.	763.40	29.926	64.3	68.5	66.3	.619	65.1	97.7	SSE.	.50	..	.5	S., Ci cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
17	0	25.6	763.25	29.922	63.8	67.5	65.5	.606	64.4	98.2	SSE.	.5	..	.5	Cu., S.
	1	25.2	763.10	29.918	63.4	66.6	65.	.599	64.1	98.5	SSE.	.5	..	.2	Ci., Ci-s., Ci cu.
	2	24.9	762.75	29.906	62.8	65.3	63.9	.579	63 1	99.	SSE.	.4	..	.4	Ci., Ci-s.
	3	24.5	762.30	29.891	61.8	64.3	63.	.563	61.7	98.6	SSE.	.3	..	.2	Ci., Ci-s.
	4	24.2	762.30	29.892	61.4	63.5	62.4	.555	61.8	98.9	SSE.	.3	..	1.0	Ci., Cu-s., S.
	5	23.8	763.15	29.926	60.8	62.6	61.7	.541	61.2	98.8	SSE.	.3	..	1.0	S.
	6	23.3	763.55	29.945	63.2	64.6	64.	.590	63.6	98.8	SSE.	.3	..	1.0	S.
	7	23.3	763.70	29.951	66	67.4	66.6	.642	66.2	98.4	SSE.	.3	..	1.0	S.
	8	23.8	763.35	29 934	68.4	71.5	69 6	.697	68.7	96.8	SSE.	.2	..	.3	Cu.
	9	24.5	763.25	29.928	67.9	75.	70.4	.685	68.2	91.4	SSE.	.2	..	1.0	Hazy, Cu.
	10	25.	763.00	29.915	68.4	76.	71.2	.703	69.	90.4	S.	.4	..	1.0	Hazy, Cu.
	11	25.6	762.70	29.901	66.5	78.3	71.4	.685	68.2	85.9	SSW.	.5	..	1.0	Hazy, Cu.
	12	26.4	762.75	29.900	66.4	79.	71.7	.688	68.3	85.	SSW.	.6	..	1.0	Cu-s., Hazy, Ci., Cu., S.
	13	26.6	762.55	29.890	66.1	80.5	72.3	.693	68.5	84.3	SSW.	.8	..	.7	Cu-s., Hazy, Ci-cu., Cu.
	14	27.6	762.35	29.878	65.4	81.3	72.	.677	67.8	81.4	SW.	.7	..	.9	Cu s., Hazy, Ci-cu., Cu.
	15	28.	762.10	29.866	67.	81.4	73.	.712	69.4	82.8	SSW.	.8	..	1.0	Cu-s. Hazy, Cu.
	16	28.	761.90	29.859	67.3	82.1	73.7	.726	70.	82.8	SSW.	.7	..	1.0	Hazy, Cu.
	17	28.1	761.90	29.859	69.1	82.	73.6	.723	69.8	82.9	SW.	.5	..	1.0	Hazy, Cu,
	18	28.2	761.90	29.857	68.5	81.	73.7	.739	70.5	84.7	SW.	.3	..	1.0	Hazy, Cu.
	19	28.1	761.90	29.859	68 2	77.	72.1	.724	69.9	92.	SSW.	.3	..	1.0	Hazy, Cu-s.
	20	27.8	762.35	29.877	68.	74.6	70.4	.690	68.4	94.	S.	.35	..	..	Hazy at Hor.
	21	27.6	762.55	29.886	68.7	72.9	70.2	.702	68.9	96.2	S.	.4	..	..	Clear.
	22	27.2	762.45	29.883	68.4	72.3	70.	.702	68.9	96.1	S.	.4	..	..	Clear.
	23	26.8	762.35	29.882	68.9	71.4	69.5	.694	68.6	97.8	S.	.38	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
19	0	27.6	763.20	29.915	68.1	72.1	70.2	.711	69.3	95.9	SSW.	.5	..	.80	Cu.
	1	27.4	762.65	29.890	66.6	71.9	69.1	.675	67.7	96.	SSW.	.4	..	.20	Cu., Ci., Ci-cu.
	2	27.1	762.60	29.890	67.8	71.7	69.4	.688	68.3	96.2	SSW.	.32	..	.80	Cu.
	3	26.9	762.50	29.887	67.	71.5	69.2	.683	68.1	96.2	SSW.	.3	..	.85	Cu., S.
	4	26.2	762.45	29.888	66.8	70.8	69.	.684	68.1	98.	SSE.	.3	..	.85	Cu., Cu s.
	5	26.2	762.70	29.899	67.	70.7	69.	.685	68.2	98.4	ESE.	.3	..	.95	Cu., Cu s.
	6	25.9	763.05	29.913	67.3	70.4	68.7	.678	67.9	98.5	ESE.	.3	..	1.00	Cu., Cu-s., S.
	7	25.8	763.30	29.923	67.4	70.5	68.8	.680	68.	97.8	ESE.	.3	..	1.00	Cu., Cu s., S.
	8	25.9	763.25	29.921	69.	73 5	71.	.724	69.9	97.	ESE.	.3	..	1.00	Cu., hazy, Cu-s., Ci-cu.
	9	26.1	763 30	29.922	70.5	73 7	73.	.771	71.8	96.3	ESE.	.3	..	1.00	Cu-s., S.
	10	26.3	763.10	29.913	70.3	78.8	74.4	.790	72.6	92.8	ESE.	.2	..	1.00	Cu-s., S.
	11	26.8	763.00	29.907	72.2	80.9	76.1	.832	74.2	92.3	ESE.	.4	..	1.00	Cu-s., S.
	12	27.4	762.75	29.894	71.1	81.6	76.	.820	73.7	89.5	S.	.2	..	1.00	Cu-s., S.
	13	27.6	762.40	29.880	70.6	81.5	75.2	.791	72.6	89.7	SW.	.2	..	1.00	Cu-s., S.
	14	26.9	762.15	29.873	72.	78.8	75.3	.823	73.8	94.2	SE.	1.0	.145	.95	Cu-s., N., S.
	15	27.2	761.60	29.850	70.3	78.8	73.6	.759	71.3	90.9	S.	.4	..	.98	Cu-s., S.
	16	27.8	761.60	29.848	70.2	79.8	75.	.801	73.	91.2	S.	.2	..	1.00	Cu-s., S.
	17	28.1	761.55	29.845	70.5	80.	75.	.799	72.9	91.7	S.	.2	..	1.00	Cu-s., Ci-s., Ci., S.
	18	28.	761.90	29.859	67.5	79.1	73.3	.745	70.7	90.	SSE.	.3	..	.92	Cu-s., Ci-s., S.
	19	27.5	761.90	29.861	66.	75.	69 8	.665	67.3	90.	SE.	.6	..	1.00	Cu-s., Ci-s., Ci., S., Ci-cu.
	20	27.3	762.00	29.865	66.4	74.	69.7	.674	67.7	92.5	SE.	.6	..	.20	Cu-s., Cu.
	21	27.3	762.30	29.877	66.8	72.6	69.4	.678	67.9	95.2	SE.	.3	..	1.00	Hazy, Cu.
	22	27.	762.20	29.875	67.2	71.7	69.1	.677	67.8	97.	E.	.5	..	1.00	Hazy, Cu.
	23	26.2	761.90	29.868	67.3	70.6	68.6	.673	67.6	97.9	E.	.3	..	1.00	Hazy, Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
21	0	26.1	762.25	29.881	68.3	71.5	69.7	.700	68.8	95.9	SE.	.7	.400	1.00	N., raining.
	1	26.3	761.90	29 867	66.4	69.	67.7	.640	66.1	97.9	E.	.65	.150	1.00	N., raining.
	2	26.	761.60	29.856	66.3	68.8	67.3	.650	66.6	97.8	ENE.	.6	.005	1.00	N., Cu.
	3	25.8	761.85	29.867	66.5	69.2	67.6	.654	66.8	97.7	NE.	.6	..	1.00	N., Cu.
	4	25.5	761.95	29.872	67.	69.2	68.	.668	67.4	97.8	ENE.	.64	.001	1.00	N., Cu., drizzling; 3h. 11m., raining
	5	25.3	762.25	29.885	66.5	69.2	67.7	.658	66.9	98.2	NE.	.6	..	1.00	Cu-s, Cu.
	6	25.1	762.80	29.908	66.7	69.1	68.	.669	67.4	98.	NE.	.6	..	1.00	Cu-s., Cu., S.
	7	24.9	763.30	29.927	67.	69.7	68.4	.677	67.8	97.8	NE.	.3	..	1.00	Cu-s., Cu, S.
	8	24.9	763.65	29.941	67.	70.5	68.5	.670	67.5	97.	NNE.	.3	..	1.00	Cu-s., Cu., S.
	9	25.	763.95	29.953	68.1	72.8	70.	.696	68.9	95.9	NNE.	.3	..	1.00	Cu-s., S.
	10	24.7	764.10	29.961	68.2	74.8	71.	.709	69.2	92.8	NNE.	.2	..	.98	Cu-s., S.
	11	25.4	764.00	29.954	69.6	78.5	74.8	.808	73.3	93.9	ENE.	.2	..	.98	Cu-s., S.
	12	26.3	764.20	29 957	68.1	79.4	74.	.768	71.7	90.9	ESE.	.4	..	.90	Cu s., S.
	13	26.7	764.35	29.961	67.7	80.	73.8	.754	71.1	89.	E.	.3	..	.85	Cu., Ci,cu., S.
	14	27.	764.15	29.952	66.6	80.1	73.	.723	69.8	87.4	NE.	.3	..	1.00	Cu., Cu-s., S.
	15	27.2	764.05	29.946	67.8	79.3	73.3	.739	70.5	87.6	NE.	.2	..	1.00	Cu., N., raining, S.
	16	27.3	764.15	29.950	69.6	78.2	73.3	.755	71.2	91.9	NE.	.3	..	1.00	Cu s., S, 15h. 25m., raining.
	17	27.5	764.50	29.963	71.5	76.8	73.6	.781	72.2	93.7	NNE.	.2	..	1.00	Cu s , S.
	18	27.4	764.75	29.973	71.7	76.5	73.5	.781	72.2	95.1	NNE.	.2	.005	1.00	Cu-s., N., raining, S.
	19	26.	764.80	29.982	71.9	74.5	73.	.787	72.5	97.1	NNE.	.3	.035	1.00	Cu-s., N., raining, S.
	20	26.6	765.00	29.987	71.4	73.3	72.	.761	71.4	97.3	NNE.	.3	.007	1.00	Cu-s , N., raining, S.
	21	26.7	765.15	29.992	70.5	72.6	71.2	.741	70.6	96.9	NE.	.5	.016	1.00	N., raining, S.
	22	26.5	764.95	29.987	70.8	72.3	71.3	.747	70.8	97.	NE.	.8	.030	1.00	N., raining, S.
	23	26.3	764.95	29.987	70.8	72.4	71.3	.746	70.8	97.5	NE.	.7	.010	1.00	N., raining, S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
22	0	26.	764.30	29.962	70.7	72.5	71.5	.752	71.	97.5	NE.	.70	.040	1.00	Cu., N., raining.
	1	25.9	764.00	29.951	69.9	72.1	71.	.739	70.5	97.5	ENE.	.70	.030	1.00	Cu., N., drizzling.
	2	25.7	763.55	29.934	69.	71.8	70.5	.725	69.9	97.2	ENE.	.70	.001	1.00	Cu., N., raining.
	3	25.6	763.20	29.920	69.4	71.1	70.	.715	69.5	97.2	E.	.65	.084	1.00	Cu , N., raining.
	4	25 3	763.20	29.922	69.5	70.9	70.	.717	69.6	97.	ENE.	.65	.025	1 00	Cu., N., drizzling.
	5	25.3	763.10	29.918	68.5	70.	69.6	.707	69.2	97.3	ENE.	.65	.013	1.00	Cu-s., N., raining.
	6	25.1	762.90	29.912	68.7	70.6	69.5	.704	69.	97.3	ENE.	.48	.022	1.00	N., raining.
	7	24.9	762.80	29.908	68.6	70.5	69.5	.705	69.1	97.4	ENE.	.50	.150	1.00	N., raining.
	8	24.8	763 00	29.917	68.6	70.4	69.7	.710	69.3	97.2	NNW.	.50	.076	1.00	N., raining.
	9	24.7	763.00	29.917	69.4	71.4	70.6	.732	70.2	97.7	WSW.	.20	.015	1.00	N., raining.
	10	24.7	762.50	29.908	70.4	74.3	71.9	.747	70.8	97.	WSW.	.10	.005	1.00	Cu., N.
	11	25.	762.80	29.908	70.1	76.1	73.6	.769	72.5	95.8	WSW.	.10	.060	1.00	Cu , Cu s.
	12	25.7	762.40	29.889	71.6	79.3	75.4	.822	73.8	93.8	WNW.	..	..	1.00	S., Cu-s.
	13	26.1	762.35	29.885	71.	78.2	74.	.781	72.2	93.9	WNW.	.20	..	1.00	S., Cu s., Cu.
	14	26.7	762.10	29.872	72.	80.	75.4	.814	73.5	92.3	WNW.	.20	..	.75	Ci., Cu-s.
	15	27.1	762.05	29.868	72.1	80.7	75.2	.799	72.9	90.8	NW.	.20	..	.95	Ci., Cu-s., Ci-cu., *SSW.*
	16	27.3	761.90	29.862	71.8	79.6	74.2	.785	72.4	90.8	NW.	.20	..	.95	N., Cu s , Ci-cu., *W.*
	17	27.4	762.50	29.884	71.4	74.3	72.7	.775	72.	96.9	WNW.	1.00	.528	.90	N., Cu-s., Ci cu.†
	18	27.7	762.50	29.883	72.8	76 5	73.5	.781	72.2	95.6	NW.	.30	..	.90	N., Cu s., Ci-cu.
	19	27.7	762.35	29.877	70.	75.	73.	.779	72.1	97.6	NW.	.40	..	.75	Ci., N., Cu., Cu-s., Ci cu.
	20	27.8	762.90	29.899	72.1	74.5	72.9	.780	72.2	97.3	NW.	40	..	.92	Cu., Cu-s.
	21	27.6	762.90	29.900	*72.4	74.	72.6	.776	72.	97.7	NW.	.40	..	1.00	Cu., hazy.
	22	27.2	763 00	29.904	70.5	72.2	71.3	.740	70.5	97.9	NW.	.40	..	1.00	Cu , hazy.
	23	27.2	762.80	29.897	69.4	72.3	70.8	.730	70.1	97.9	NW.	.40	..	.40	Cu., Cu s.

* Thirty minutes late.

† 16*h.* 14*m.*, very heavy rain; 16*h.* 27*m* , ceased.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
23	0	26.8	762.75	29.898	69.2	71.4	70.	.711	69.3	98.	NW.	.42	..	1.0	Hazy, Cu., S.
	1	26.7	762.55	29.890	68.	70.8	69.5	.700	68.8	98.2	NW.	.50	..	.2	Cu s.
	2	26 3	762.20	29.878	68.5	70.	69.1	.696	68.7	98.3	NW.	.50	..	1.0	S., Cu-s., Cu.
	3	26.1	762 25	29.871	68.4	70.4	69.	.689	68.4	98.	NW.	.40	..	1.0	S., Cu-s., Cu.
	4	26.1	762.35	29.885	68.	70.7	69.1	.688	68.3	98.	NW.	.30	..	1.0	S., Cu s., Cu.
	5	25.8	762.60	29.896	67.4	70.5	68.8	.680	67.9	97.8	NW.	.30	..	1.0	Cu-s., Cu.
	6	25.6	762.80	29.905	67.4	70.	68.3	.669	67.4	97.8	NW.	.30	..	1.0	S., Cu.
	7	25 3	763.20	29.922	67.1	70.4	69.2	.662	67.1	96.7	NW.	.45	..	1.0	S., Cu.
	8	25 3	763.25	29.924	66.	71.4	68.2	.651	66.6	95.2	NNW.	.40	..	1.0	Cu.
	9	24 5	763.30	29.930	66.3	71.6	68.5	.658	66.9	95.6	NNW.	.40	..	1.0	S., Cu-s., Cu.
	10	24 4	763.50	29.938	65 8	72 2	68.7	.658	66.9	94.3	NNW.	.20	..	1.0	S., Cu-s., Cu.
	11	25.	763.50	29.935	69.1	74 5	71.6	.734	70.3	94.8	NW.	.20	..	1.0	S., Cu-s., Cu.
	12	25.3	763.45	29.932	68.4	74.3	69 9	.677	67.8	92.3	WNW.	.30	..	1.0	S., Cu s., Cu.
	13	25.4	763.35	29.928	68.3	75.5	70 2	.674	67.7	91.	NW.	.20	..	1.0	S., Cu-s., Cu.
	14	25.2	762.80	29 907	67.9	75.9	70.2	.669	67.4	90.8	WNW.	.30	..	.9	S., Ci-cu., Cu-s., Cu., *NW.*
	15	26.1	762.80	29.903	67.9	76.5	70 5	.673	67.6	89.	NW.	.30	..	.8	S., Ci-cu., Cu-s., Ci., Cu., *NW.*
	16	26 4	762.60	29.894	67.3	76.2	70.	.659	67.	88.8	NW.	.30	..	1.0	S., Ci-cu., Cu-s., Ci., Cu., hazy.
	17	26.7	762.60	29.892	67.6	76.4	69.6	.643	66.2	87.8	NW.	.40	..	1.0	S., Ci-cu., Cu s., Ci., Cu., hazy.
	18	26.8	762.80	29.900	67.3	74.3	70.	.680	67.9	91.8	NW.	.50	..	1.0	S., Cu s., hazy.
	19	26.5	762.80	29.902	67.3	72.6	69.2	.671	67.1	94.2	NW.	.30	..	1.0	Ci s., hazy.
	20	26.2	763.30	29.922	66.3	71.4	68.	.644	66.3	94.8	NW.	.27	..	1.0	Ci-s., hazy.
	21	26.	763 15	29.916	66.3	70.7	67.6	.638	66.	95.	NW.	.27	..	1.0	S., hazy.
	22	25.9	763.20	29.919	66.2	70.	67.1	.629	65.6	96.	NW.	.27	..	1.0	S., hazy.
	23	25.3	763.20	29.922	65.3	69.5	66.9	.628	65.5	96.3	NW.	.27	..	1.0	S., Cu., hazy.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
24	0	25.	762.85	29.910	65.2	68.7	66.4	.620	65.1	97.	NW.	.27	..	1.0	Hazy, Cu., S.
	1	24.7	762.65	29.904	65.2	68.2	66.	.613	64.8	97.4	NW.	.25	..	1.0	Hazy, Cu s.
	2	24.5	762.50	29.899	64.1	67.4	65.5	.607	64.5	97.8	NW.	.25	..	1.0	Cu., S.
	3	24.3	762 40	29.895	63.6	67.	65.2	.601	64.2	97.7	NW.	.25	..	1.0	Cu., hazy, S.
	4	24.	762.35	29.894	62.2	66.6	64.9	.596	63.9	97.7	NW.	.25	..	1.0	Cu , hazy, S.
	5	24.	762 50	29.900	62.9	66.2	64.3	.582	63.2	97.8	NW.	.25	..	1.0	Cu., Cu-s.
	6	23.4	762.80	29.916	62.7	66.2	61.2	.579	63.1	97.3	NW.	.25	..	1.0	Cu., Cu s., S.
	7	23.3	763.10	29.927	63.2	67.4	65.	.590	63.6	97.	NNW.	.40	..	1.0	Cu., Cu-s., S.
	8	23.3	763.30	29.935	63.4	69.2	65.8	.596	63.9	94.3	NNW.	.43	..	1.0	Cu., Cu s.
	9	23.1	763.60	29.949	64.6	70.3	66.7	.613	64.8	94.2	NNW.	.60	..	1.0	Cu-s., S.
	10	23.1	763.90	29.961	64.8	71.7	67.4	.620	65.1	92.1	NNW.	.50	..	1.0	Cu-s , S.
	11	23.7	764.00	29.961	63.4	73.5	68.5	.636	65.9	90.9	NNE.	.60	..	.98	Cu., Cu-s., Ci-cu., S., Ci.
	12	24.5	763.90	29.954	64.	75.7	70.2	.671	67.5	89.7	NNE.	.80	..	.95	Cu., Cu-s., Ci-cu., S., Ci.
	13	24.9	763 60	29.939	66.6	76.9	70.9	.682	68.	89.6	NNE.	.80	..	.9	Cu., Cu-s , Ci-cu., Ci.
	14	25.3	763.60	29.938	64.2	76.6	70.2	.662	67.1	87.1	NE.	.80	..	.8	Cu., Cu-s., Ci.
	15	26.	763.60	29.935	64.8	78.2	70 9	.668	67.4	85.7	NE.	.80	..	.8	Cu., Cu s.
	16	26.1	763.60	29.934	65.2	78.2	70.8	.665	67.3	84.2	N.	.50	..	.7	Cu., Ci.
	17	27.	764.05	29.948	65.4	78.5	70.1	.672	67.6	84.2	NNW.	.30	..	.8	Cu., Cu s.
	18	27.2	764.20	29.952	66.8	78.	70.5	.656	66.9	85.2	NNW.	.20	..	1.0	S., Cu., Ci-s., Cu s., hazy, Ci.
	19	27.4	764.45	29.961	*	74.5	69.5	.660	67.	89.1	NNW.	.20	..	1.0	S., Cu., Ci s., Cu-s., hazy, Ci.
	20	26.3	764.50	29.969	64.5	71.9	67.6	.624	65.3	92.5	NNW.	.22	..	.8	Thin haze.
	21	26 2	764.80	29.982	64.6	70.3	66.6	.610	64.6	93.4	NNW.	.22	..	..	Clear.
	22	26.	764.85	29.985	63.5	69.4	65.5	.584	63.3	93.4	NNE.	.22	..	..	Clear.
	23	25.8	765.00	29.990	62.4	68.4	65.2	.585	63.4	94.2	NE.	.30	..	..	Clear.

* Registered 69.3.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
25	0	25.1	765.15	30.000	62.5	66.7	64.4	.579	63.1	97.	NE.	.26	..	..	Clear.
	1	24.7	765.30	30.008	62.	66.	64.1	.578	63.	98.	NE.	.25	..	..	Clear.
	2	24.5	765.40	30.013	61.8	65.1	63.4	.567	62.4	98.	NE.	.25	..	.05	Cu-s. in Hor.
	3	24.1	765.45	30.016	62.	64.5	63.2	.567	62.4	98.	NE.	.25	..	.05	Cu-s. in Hor.
	4	23.6	765.35	30.015	60.	64.2	62.6	.552	61.6	98.	NNE.	.25	..	.15	Cu-s., S. in Hor.
	5	23.7	765.35	30.015	61.2	64.	62.6	.554	61.7	98.5	NNE.	.25	..	.05	S.
	6	23.3	765 90	30.038	61.4	64.3	62.7	.554	61.7	98.3	N.	.40	..	1.00	Hazy.
	7	23.3	766.25	30.052	63.	66.5	64.8	.594	63.8	96.3	N.	.40	..	1.00	Hazy.
	8	23.6	766.35	30.055	63.8	71.3	66.9	.608	64.5	91.	N.	.35	..	1.00	Hazy.
	9	24.5	766.65	30.063	65.7	74.7	69.2	.646	66.4	88.2	N.	.30	..	1.00	Hazy.
	10	25.	767.00	30.073	64.8	76.2	69.3	.634	65.8	86.	NNE.	.20	..	1.00	Hazy.
	11	25.4	766.85	30.067	61.5	76.9	68.3	.592	63.7	82.7	NE.	.30	..	1.00	Hazy.
	12	26.	766.75	30.060	59.8	78.	67.6	.555	61.8	70.	ENE.	.40	..	1.00	Hazy, Cu.
	13	26.2	766.55	30.051	62.5	79.1	70.2	.632	66.2	78.2	ENE.	.40	..	1.00	Hazy, Cu.
	14	27.	766.30	30.037	60.6	80.	70.	.615	64.9	76 9	ENE.	.40	..	1.00	Hazy, Cu.
	15	27.6	766.10	30.026	64.8	80.9	72.1	.679	67.9	78.8	NNE.	.20	..	1.00	Hazy, Cu.
	16	27.6	765.90	30.018	63.4	81.1	71.3	.648	66.5	77.3	NW.	.20	..	1.00	Hazy, Cu.
	17	28.4	765.90	30.014	64.8	81.	71.6	.661	67.1	78.2	WSW.	.20	..	1.00	Hazy, Cu.
	18	28.7	766.10	30.021	64.9	80.3	71.5	.664	67.2	80.2	WSW.	.15	..	1.00	Hazy, Cu.
	19	28.4	766.45	30.036	65.5	75.6	71.	.701	68.9	91.3	WSW.	..	..	1.00	S.
	20	28.4	767.00	30.057	67.5	75.3	71.	.703	69.	92.4	WSW.	.10	..	.05	S., Cu.
	21	28.1	767.10	30.063	67.	72.8	69.8	.688	68.3	96.2	WSW.	.15	..	..	Clear.
	22	27.8	767.10	30.064	64.8	71.	67.8	.641	66.1	95.8	SW.	.20	..	..	Clear.
	23	27.2	766.90	30.059	65.	69.5	66.9	.628	65.5	97.5	SSW.	.23	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigradc.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
26	0	26.9	766.75	30.055	64.5	68.3	66.	.612	64.7	97.9	SSW.	.25	..	..	Clear.
	1	26.5	766.50	30.048	64.4	67.8	66.	.618	65.	97.9	SSW.	.22	..	?	
	2	26.1	766.30	30.041	63.	67.4	65.6	.610	64.6	97.8	SSW.	.20	..	.2	Cu-s. in Hor.
	3	25.8	766.25	30.040	63.2	66.2	64.7	.594	63.8	97.8	SSW.	.21	..	.2	Cu-s. in Hor.
	4	25.4	766.15	30.039	62.4	65.9	64.6	.594	63.8	98.	SSW.	.22	..	.3	Cu-s. in Hor.
	5	25.2	766.60	30.057	63.2	65.7	64.6	.597	64.	98.	SSW.	.20	..	1.0	Cu., S., hazy.
	6	24.9	766.80	30.066	64.8	67.	65.8	.621	65.2	97.8	SSW.	.20	..	1.0	Cu., S., hazy.
	7	24.8	767.05	30.077	68.	70.2	69.	.691	68.4	98.	SSW.	.20	..	1.0	S.
	8	24.9	767.10	30.077	69.3	72.8	71.3	.741	70.6	97.8	SSW.	.20	..	1.0	S.
	9	25.2	767.15	30.078	70.4	76.	73.4	.782	72.3	96.	SSW.	.20	..	1.0	S , hazy.
	10	25.6	767.20	30.078	70.3	77.8	74.4	.800	73.	95.	SSW.	.20	..	1.0	Cu-s., S., hazy.
	11	26.1	767.15	30.074	70.	79.9	74.7	.789	72.5	91.2	SSW.	.40	..	1.0	Cu-s., S., hazy.
	12	26.9	767.00	30.064	70.3	80.7	75.	.791	72.6	90.	SSW.	.50	..	1.0	Cu-s., Cu., hazy.
	13	27.4	766.90	30.058	71.2	82.	76.	.816	73.6	88.4	SSW.	.70	..	1.0	Cu., hazy.
	14	28.	766.70	30.048	70.8	82.2	75.8	.806	73.2	88.2	SSW.	.80	..	1.0	Cu., hazy.
	15	28.6	766.50	30.037	70.8	83.1	76.2	.811	73.4	88.	SSW.	.80	..	1.0	Cu-s., Cu., hazy.
	16	29.	766.40	30.031	69.8	82.6	74.6	.755	71.2	85.3	SSW.	.80	..	1.0	Cu s., Cu., hazy.
	17	29.2	766.30	30.026	69.9	82.6	74.8	.763	71.5	85.6	SSW.	.70	..	1.0	Cu-s., hazy.
	18	29.3	766.40	30.030	70.6	80.	75.	.799	72.9	88.6	SSW.	.50	..	1.0	Cu-s., Cu., hazy.
	19	29.4	766.75	30.043	70.2	77.5	73.6	.773	71.9	94.	SSW.	.30	..	1.0	Cu-s., Cu., Ci., hazy.
	20	28.3	767.10	30.061	70.	75.	72.	.741	70.6	96.	SSW.	.37	..	..	Cu.
	21	28 3	767.15	30.063	66.8	72.7	69.2	.669	67.4	96.	SSW.	.40	..	..	Clear.
	22	27.9	767.15	30.066	66.8	71.4	68.5	.660	67.	96.2	SSW.	.40	..	..	Clear.
	23	27.8	767.10	30.064	66.5	71.2	68.5	.662	67.1	96.8	SSW.	.40	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew p.	Wind.					Clouds, and direction of their strata
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.			Hygr., Saussure's.	Dir., points.	Force, in.	Rain, inches.	Sky covered, tenths.	
28	0	26.3	765.85	30.022	69.	72.1	70.4	.717	69.6	98.	N.	.28		0	Cu.
	1	26.4	765.80	30.008	68.8	72.	70.5	.723	69.8	98.	N.	.14		8	Cu
	2	26.3	765.45	30.006	68.4	72.5	71.2	.741	70.6	98.	N.	.15		1.0	Cu.
	3	26.2	765.25	29.999	69.8	73.8	71.5	.752	71.	98	N.	.15		1.0	Cu, 3h. 30m., commenced raining
	4	26.1	765.25	29.999	70.	73.	71.8	.757	71.3	97.0	N.	.15		1.0	Cu., N., raining
	5	26.1	766.30	30.001	69.4	73.	71.9	.761	71.4	97.8	N.	.15		1.0	Cu., N.
	6	25.9	765.65	30.016	71.5	73.6	72.6	.780	72.2	98.	N.	.15		1.0	Cu., Cu. =
	7	25.9	766.00	30.030	72.	74.3	73.	.787	72.5	98	N.	.16		1.0	Cu., Cu. =
	8	25.8	766.00	30.030	72.3	74.5	73.3	.796	72.8	98.	N.	.15		1.0	Cu., Cu. =
	9	26.	766.20	30.038	73.	75.5	74.1	.815	73.5	98.	N.			1.0	N., 9h. 4m., commenced raining
	10	25.5	766.15	30.037	71.5	73.5	72.2	.766	71.6	98.	WNW.	.15	.030	1.0	N., N., 10h. 45m., ceased raining
	11	26.	766.20	30.038	71.6	75.2	73.3	.788	72.6	97.	NNW.	.10	.050	1.0	N., Cu. =
	12	26.2	765.95	30.027	73.4	78.5	75.7	.843	74.5	95.8	WNW	.10		1.0	N., Cu. =
	13	26.7	765.90	30.023	72.2	79.	75.3	.831	73.8	93.9	WNW.	.05		1.0	N., Cu. =
	14	27.	765.50	30.005	71.4	80.1	74.7	.787	72.5	90.8	WNW.	.05		1.0	N., Cu. =
	15	27.3	765.25	29.993	71.8	80.	74.9	.795	72.8	91.8	NNW.	.05		1.0	Cu., N., Cu. =
	16	27.7	765.35	29.995	70.3	81.1	74.3	.760	71.5	87.7	NNW.	.05		1.0	Cu., N., Cu. =
	17	28.	765.25	29.990	70.	79.5	74.5	.783	72.3	90.9	NNW.	.05		.07	Cu., N., Cu. =
	18	28.	765.50	30.000	70.6	77.5	74.4	.804	73.1	96.5	NNW.	.06		.98	Cu., N., Cu. =
	19	27.2	765.80	30.015	70.3	75.1	72.5	.758	71.3	97.4	ENE.	.50		1.0	Cu., N., Cu. =
	20	27.	765.85	30.019	70.	74.1	71.8	.745	70.8	98.	ENE.	.30		.3	Cu.
	21	27.5	766.30	30.034	70.1	73.5	71.6	.745	70.8	98.5	ENE.	.20		.5	Cu., Cu. =
	22	27.	766.30	30.037	69.	72.7	71.1	.735	70.3	98.9	ENE.	.20		.9	Cu., Cu. =
	23	26.8	766.15	30.032	70.4	72.6	71.3	.743	70.7	98.9	ENE.	.20		1.0	Cu., Cu. =

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
29	0	25.5	766.20	30.039	70.	72.2	71.	.738	70.5	98.9	ESE.	.20	..	1.0	Cu., Cu s.
	1	25.7	766.55	30.053	68.2	71.8	70.5	.724	69.9	98.3	ESE.	.14	..	.8	Cu., Ci., Cu s., Ci s.
	2	25.7	766.40	30.047	68.8	71.2	70.	.714	69.4	98.3	ESE.	.14	..	.8	Cu., Cu-s.
	3	25.6	766.45	30.049	68.8	71 2	70.	.714	69.4	98.2	ESE.	.14	..	.5	Cu., Cu-s.
	4	25.3	766.70	30.061	68.6	71.	70.	.716	69.5	98.	ESE.	.14	..	.8	Cu., Cu-s.
	5	25.3	766.90	30.069	69.	71.	70.	.716	69.5	98.1	ESE.	.20	..	1.0	S.
	6	25.1	767.25	30.083	68.5	70.6	69.6	.707	69.1	97.4	E.	.40	..	.95	Cu., Ci-cu., Cu-s., Ci.
	7	25.	767.85	30.107	67.8	71.5	69.7	.700	68 8	97.7	ENE.	.45	..	1.0	Cu., Cu-s.
	8	25.	768.15	30.119	68.9	71.9	70.2	.713	69.4	97.9	ENE.	.60	..	1.0	Cu., Cu-s.
	9	24 7	768.50	30.135	69.2	74.2	71.5	.733	70.3	96.5	ENE.	.70	..	1.0	Cu , Cu-s.
	10	24.9	768.55	30.133	70.7	75.3	72.6	.761	71.4	96.2	ENE.	.60	..	1.0	Cu., hazy, Cu-s.
	11	25.6	768 70	30.136	70.8	77.	73.1	.759	71.3	95.6	ENE.	.60	..	1.0	Cu., S., Cu-s.; 11*h*. 15*m*., a slight rain.
	12	26.	768.60	30.133	71.	78.3	73.4	.756	71.2	91.9	ENE.	.60	..	1.0	Cu., S., Cu-s.
	13	26.3	768 55	30.129	70.	78.4	73.2	.748	70.9	90.9	ENE.	.60	..	.9	Cu., S., Cu-s.
	14	26.8	768.25	30.115	71.3	79.8	74.2	.769	71.7	90.	ENE.	.60	..	.9	Cu., Ci-cu., S., Cu-s.
	15	27.	767.95	30.102	68.8	79.5	72.9	.724	69.9	88.1	ENE.	.70	..	1.0	Cu., Ci-cu., S., hazy, Cu-s., Ci.
	16	27.6	768.00	30.101	71.7	79.3	75.	.807	73.2	90.7	ENE.	1.30	..	1.0	Cu., Ci-cu., hazy, Cu-s.
	17	27.5	768.00	30.101	69.7	77.5	73.	.751	71.	91.9	ENE.	.80	..	1.0	Cu., Ci-cu., hazy, Cu-s.
	18	27.2	768.30	30.114	68.8	75.7	72.	.734	70.3	94.1	E.	.70	..	1.0	Cu., hazy, Cu-s.
	19	25.8	768.30	30.121	68.8	75.6	71.5	.717	69.6	94.1	E.	.70	..	1.0	Cu., Cu-s.
	20	26.	768.50	30.129	69.7	72.6	70.1	.701	68.9	96 9	ESE.	.60	..	.2	Cu., Cu s.
	21	26.1	768.65	30.134	68.5	71.9	69.8	.699	68.8	97.9	ESE.	.50	..	.9	Cu., Cu-s.
	22	26.	768.75	30.139	68.8	71.2	69.4	.693	68.5	97.8	E.	.55	..	.9	Cu., Cu-s.
	23	25.8	768.55	36.131	68.	70 6	69.	.686	68 2	97.7	E.	.50	..	1.0	Cu., hazy, Cu s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
30	0	25.5	768.40	30.126	67.8	69.7	68.4	.676	67.8	97.7	E.	.35	..	..	Cu.
	1	25.3	768.15	30.118	67.	69.5	68.3	.675	67.7	98.2	E.	.30	..	1.0	Cu., Cu-s.
	2	25 1	767.80	30.105	66.8	70.	68.6	.679	67.9	98.	E.	.30	..	1.0	Cu.
	3	25.	767.80	30.105	67.	70.	68.6	.679	67.9	98.	E.	.30	..	1.0	Cu.
	4	24.9	767.70	30.101	67.7	70.2	68.7	.680	67.9	98.	E.	.30	..	1.0	Cu.
	5	24.9	767.70	30.101	68.	70.3	69.	.689	68.3	98.	E.	.35	..	1.0	Cu., Cu s.
	6	24.8	767.85	20.109	68.3	70.7	69.5	.702	68.9	98.3	E.	.30	..	1.0	S., Cu-s.
	7	24.7	767.75	30.105	68 6	71.9	70.3	.716	69.5	97.8	E.	.30	..	1.0	Cu., hazy, Cu-s.
	8	25.2	767.75	30.102	69.8	74.5	71.8	.740	70.5	94.9	ESE.	.40	..	1.0	Cu., hazy.
	9	25.3	767.75	30.102	70.5	76.1	72.5	.748	70.9	94.6	SSE.	.30	..	1.0	Cu., hazy, Cu-s.
	10	26.1	767.50	30.088	72.	78.4	74.4	.793	72.3	91.8	SSW.	.30	..	.9	Cu., Cu-s.
	11	26.7	767.35	30.079	72.5	79.5	74.7	.793	72.7	91.	SW.	.40	..	1.0	Cu., hazy.
	12	27.5	766.85	30.056	72.2	81.	75.5	.809	73.3	88.	SW.	.40	..	.7	Cu., Cu-s., *W.*
	13	27.9	766.45	30.039	71.5	82.3	75.2	.782	72.3	87.2	SW.	.50	..	.7	Cu., *W.*
	14	29.3	765.80	30.006	71.2	83.5	76.2	.807	73.2	86.2	WSW.	.60	..	.7	Cu., *W.*
	15	29.8	765.45	29.990	69.8	84.	75.4	.770	71.8	83.8	WSW.	.60	..	.3	Cu, *W.*
	16	29.5	765.25	29.983	69.6	84.	75.5	.776	72.	83.	WSW.	.60	..	.3	Cu., hazy.
	17	29.9	765.10	29.976	71.4	84.2	75.7	.779	72.1	83.7	W.	.45	..	1.0	Cu., hazy.
	18	29.7	765.00	29.972	73.8	82.6	76.9	.814	74.6	82.8	W.	.45	..	1.0	Cu., hazy.
	19	28.5	765.00	29.977	73.9	79.5	75.5	.824	73.9	93.7	SW.	.45	..	1.0	Cu., Ci., hazy, Ci-s.
	20	29.	765.05	29.977	74.	78.	75.	.821	73.8	95.7	SW.	.45	..	..	Clear.
	21	29.	765.15	29.981	73.9	77.	74.4	.809	73.3	96.	SW.	.40	..	..	Clear.
	22	28.8	765.15	29.981	72.5	75.7	73.6	.794	72.7	98.	SW.	.30	..	..	Clear.
	23	28.4	764.85	29.973	72.8	74.9	73.2	.787	72.5	98.	SW.	.30	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
31	0	27.9	764.65	29.968	72.5	74.6	73.2	.791	72.6	98.1	SW.	.30	..	..	Clear.
	1	27.8	764.60	29.966	71.2	73.6	72.3	.769	71.7	98.	SW.	.30	..	..	Clear.
	2	27.4	764.30	29.955	70.2	72.3	71.	.737	70.4	98.	SW.	.30	..	..	Clear.
	3	27.2	764.15	29.950	69.8	72.1	70.8	.732	70.2	98.3	SW.	.30	..	..	Cu s. in Hor.
	4	26.8	761.10	29.951	68.8	71.	69.9	.713	69.4	98.2	SW.	.30	..	..	Cu-s.
	5	26.7	764.15	29.953	69.	71.	70.	.716	69.5	98.4	SW.	.30	..	1.0	S., Cu., Cu s.
	6	26.3	764.35	29.963	69.	70.6	69.8	.713	69.4	98.3	SW.	.30	..	1 0	S., Cu., Cu-s.
	7	26.4	764.45	29.967	71.5	73.7	72.5	.775	72.	97.8	SW.	.30	..	1.0	Hazy, Cu., Cu s.
	8	26.8	764.50	29.967	72.6	76.7	74.4	.813	73.5	96.	SW.	.30	..	1.0	Hazy, Cu , Cu-s.
	9	27.4	764.50	29.963	74.2	80.	76.9	.873	75.7	95.	SW.	.30	..	.1	Cu., Cu-s.
	10	28.2	764.35	29.954	73.8	82.	77.2	.863	75.3	91.5	SW.	.30	..	1.0	Hazy, Cu.
	11	28.9	764.10	29.940	74.	84.5	78.2	.877	75.8	89.2	WSW.	.30	..	1.0	Hazy, Cu.
	12	30.	763.60	29.916	75.	85.6	78.9	.893	76.4	87.5	W.	.30	..	1.0	Hazy, Cu., S.
	13	30.2	763.45	29.908	75.7	87.2	79.4	.897	76.5	86.1	W.	.30	..	.6	Ci., Cu., S., *WSW.*
	14	30.6	762.65	29.875	73.7	87.1	78.7	.868	75.5	85.1	WNW.	.30	..	.9	N., Cu., S., *W.*
	15	30.7	763.00	29.888	75.5	86.2	79.3	.903	76.7	87.7	WNW.	.30	..	1.0	N., Cu., S., *NW.*
	16	30.3	763.65	29.915	73.3	80.	75.2	.807	73.2	93.	WSW.	1.00	..	.9	N., Cu., S., *N.*
	17	30.4	763.00	29.889	73.5	80.5	75.2	.802	73.	93.2	SW.	.80	..	.95	Ci., N., Cu., Ci cu., Ci-s.
	18	30.1	763.65	29.918	75.3	78.2	74.5	.799	72.9	95.7	SW.	.30	..	1.0	Ci , Cu., Ci-cu.
	19	27.8	763.15	29.908	73.2	77.5	74.	.788	72.5	95.6	WSW.	.25	..	.98	Ci-s., Cu., Ci cu , Cu s.
	20	28.8	763.00	29.896	72.	77.1	74.	.793	72.7	96.2	WSW.	.27	..	.9	Ci-s., Cu., Cu-s.
	21	28.8	762.95	29.895	72.	76.7	73.9	.793	72.7	97.5	WSW.	.27	..	.8	Cu , Ci-cu , Ci.
	22	28.8	762.85	29.891	72.6	75.9	73.5	.787	72.5	98.	WSW.	.27	..	.3	Cu., Ci.
	23	28.5	763.25	29.908	72.	74.5	72.4	.763	71.5	98.2	WSW.	.27	..	.1	Ci-cu., Ci.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
1	0	28.2	763.35	29.914	72.	74.1	73.1	.785	72.4	98.3	WSW.	*.2	..	1.0	Cu., Cu-s. [tinued one hour.
	1	27.4	763.55	29.925	72.	74.8	73.2	.788	72.5	98.3	SW.	.3	..	.9	Cu.; commenced raining at 1*h*.26*m*., con-
	2	27.6	763.15	29.909	71.8	75.	73.	.779	72.1	98.5	WSW.	.3	.005	.95	Cu., N.; 2*h*. 35*m*., lightning, low and
	3	27.5	762.95	29.902	72.	74.7	73.4	.797	72.8	98.5	W.	.3	..	.95	Cu. [distant thunder.
	4	27.3	763.10	29.908	71.9	73.9	72.5	.773	71.9	88.	W.	.3	..	.9	Cu., Cu-s.
	5	27.3	763.50	29.924	71.7	73.9	72.7	.780	72.2	98.3	W.	.3	..	1.0	Cu., S.
	6	27.5	764.05	29.948	71.5	73.9	72.5	.773	71.9	98.	W.	.3	..	1.0	Cu., Cu-s., S.
	7	26.9	764.45	29.964	72.	74.8	73.3	.793	72.7	98.2	NW.	.35	..	1.0	Cu., Cu-s, S.
	8	26.8	764.85	29.981	71.6	74.9	73.2	.787	72.4	97.8	NNE.	.5	..	1.0	Cu., Cu-s, S.
	9	26.9	765.20	29.993	72.8	77.2	74.3	.803	73.1	96.2	NNE.	.6	..	1.0	Cu s., S.
	10	26.4	765.40	30.004	72.	75.2	73.	.777	72.1	98.	NNE.	.8	..	1.0	Cu-s., S.
	11	26.8	765.55	30.008	69.5	72.5	70.5	.717	69.6	98.	N.	1.2	..	1.0	S.
	12	26.7	765.25	29.996	68.4	72.6	70.	.698	68.8	96.9	N.	1.0	..	1.0	Cu-s., S.
	13	26.8	765.05	29.988	68.3	73.	69.8	.686	68.2	95.9	N.	1.6	..	1.0	Cu-s., S.
	14	27.2	765.00	29.983	69.3	75.1	71.5	.723	69.8	95.	NNE.	1.5	..	1.0	Cu s., S.
	15	27.2	764.95	29.981	66.4	72.	68.5	.653	66.7	95.	NNE.	1.8	..	1.0	Cu-s., S.
	16	27.1	765.25	29.994	65.6	71.	68.	.647	66.4	96.	NNE.	1.7	..	1.0	Cu-s., S.
	17	26.9	765.20	29.993	66.4	70.8	68.3	.660	67.	97.	NNE.	1.2	..	1.0	Cu-s., S.
	18	26.6	765.00	29.986	67.5	70.1	68.4	.672	67.6	98.5	NNE.	.8	..	1.0	S.
	19	26.2	765.00	29.988	67.3	69.5	68.	.664	67.2	97.8	N.	.7	..	1.0	S.
	20	25.9	765.00	29.990	66.6	68.8	67.5	.655	66.8	98.2	N.	.75	..	1.0	Cu., hazy, Cu-s.
	21	25.8	765.60	30.014	66.8	68.6	67.5	.658	66.9	98.5	N.	.7	..	1.0	Cu.
	22	25.8	765.75	30.020	66.6	68.3	67.	.644	66.2	98.4	N.	.7	..	1.0	Cu., Hazy, S. [23*h*. 5*m*.
	23	25.5	765.85	30.025	65.8	67.9	66.5	.632	65.7	98.5	N.	.7	..	1.0	Cu., Cu-s., N.; commenced drizzling at

* It is probable that about .15 should be subtracted from light winds, not exceeding .5 of a pound, during this month.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
2	0	25.	765.50	30.014	65.4	67.	65.9	.624	65.3	98.5	NNE.	..	..	1.0	N, drizzling.
	1	24.7	765.20	30.004	65.	66.5	65.5	.617	65.	98.3	NNE.	.4	..	1.0	N., Cu.
	2	24.4	764.75	29 988	64.8	66.4	65.5	.618	65.1	98.3	NNE.	.4	..	1.0	Cu.
	3	24.1	764.40	29.975	64.3	66.2	65.2	.610	64.6	98.2	NNE.	.4	..	1.0	Unbroken Cu.
	4	24.	764.40	29.975	63.6	65.6	64.5	.595	63.9	98.2	NNE.	.4	..	1 0	Unbroken Cu.
	5	24.	764.20	29.967	63.7	65.6	64.5	.595	63 9	98.3	N.	.35	..	1.0	Cu s., Cu.
	6	23.8	764 80	29.992	64.2	66.2	65.2	.610	64.6	98.1	N.	.3	..	1.0	Cu s., Cu.
	7	23.5	765.10	30.005	64.5	67.4	65.8	.616	64.9	97.8	N.	.3	..	1.0	Cu.
	8	23.7	765.25	30.011	66.	68.9	67.1	.641	66.1	97.	N.	.25	..	1.0	Unbroken Cu.
	9	23.8	765.15	30.006	67.8	71.3	68.6	.665	67.8	95.3	N.	.25	..	1.0	Unbroken Cu.
	10	24.	765.15	30.004	69.4	73.	71.	.729	70.1	95.	NW.	.2	..	1.0	Cu-s., S.
	11	24.6	764 60	29.981	70.	76.3	72.2	.735	70.3	92.3	WSW.	.3	..	1.0	Cu-s.
	12	25.2	764.15	29.960	71.5	78 6	74 4	.791	72.6	91.8	SW.	.6	..	1.0	Cu s.
	13	25.6	764.15	29.958	70.3	78.1	73.2	.751	71.	91.1	SW.	.7	..	1.0	Cu-s.
	14	26.8	763.50	29.927	71.6	80.1	74.8	.790	72.6	90.6	SW.	.6	..	.6	Cu s., Cu., *W.*
	15	27.6	763.05	29.905	73.	81.2	75.9	.820	73.7	90.5	SW.	.6	..	.3	S, Cu., *W.*
	16	27.8	762.85	29.897	72.5	81.7	75.8	.810	73.3	89.1	SSW.	.8	..	.2	Ci-s., Ci cu., Cu.
	17	28.3	762 80	29.892	72.8	81.6	75.8	.812	73.4	90.	SSW.	.8	..	.5	S., Ci cu., Cu., *N.*
	18	28.8	762.90	29.893	72.4	79.7	75.2	.810	73.3	92.7	SSW.	.5	..	.7	Ci-cu., Cu., *NW.*
	19	28.3	762.60	29.884	71.9	77.5	74.	.788	72.5	95.6	SSW.	.4	..	.75	S., Ci cu., Cu., Cu s.
	20	28.2	762.75	29.891	72.1	76.6	73 6	.783	72.3	96.	SSW.	.4	..	..	Clear.
	21	28.2	762.75	29.891	72.9	75.5	73.4	.788	72.5	97.	SSW.	.4	..	..	Clear.
	22	27.9	762.60	29.887	71.8	74.3	72.5	.768	71.7	97.8	SSW.	.4	..	..	Cu-s., *NW.*
	23	27.3	762.35	29.879	72.	74.3	72.8	.780	72.2	97.8	SSW.	.4	..	.9	Ci., Ci-cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
4	0	27.4	759.20	29.754	69.4	73.8	72.	.755	71.2	96.9	WSW.	.4	..	.95	Cu., Cu-s., Ci-cu., Ci-s.
	1	27.3	759 00	29.747	69.8	73.4	71.8	.778	72 1	96.9	WSW.	.4	..	1.0	Cu , Ci., Ci-s.
	2	27.1	758.60	29.733	69.8	73.2	71.5	.744	70.7	96.9	WSW.	.4	..	1.0	Cu., Ci., Ci s.
	3	26.8	758.60	29.735	69.2	72.3	70.6	.722	69.8	99.	WSW.	.4	..	.3	Cu., Cu-s., Ci-s.
	4	26.6	758.55	29.733	68.7	71.8	70.1	.710	69.3	99.	WSW.	.35	..	.2	Cu., Cu-s. at Hor.
	5	26.5	758.50	29 733	68.5	71.4	69.8	.704	69.	99.3	WSW.	.3	..	.5	Cu., Cu s., S.
	6	26 2	758.55	29.736	68.6	71.7	69.9	.705	69.1	99.	WSW.	.3	..	.2	Cu., Cu s , S. [ning in *NW.*
	7	26.2	758.80	29.746	70.8	74.9	72.3	.754	71.1	95.9	WSW.	.3	..	1.0	Cu., Ci-cu , hazy ; 6*h.* 38*m.*, vivid light-
	8	26.7	758.65	29.737	71.	78.2	73.9	.777	72.1	91.8	WSW.	.2	..	1.0	Hazy ; 7*h.* 8*m.*, N., thunder and light-
	9	27.3	758.85	29.742	71.7	81.6	74.8	.774	71.9	87.3	W.	.3	..	1.0	Hazy. [ning.
	10	28.	758.90	29.737	71.5	83	75.2	.774	71.9	85.9	WNW.	.6	..	1.0	Hazy.
	11	28.3	758.55	29.725	74.3	83.8	77.2	.843	74.6	87.	W.	.6	..	1.0	Hazy.
	12	30.	758.50	29.716	74.3	85.7	77.9	.851	74.9	85.	WSW.	.6	..	1.0	Cu., hazy.
	13	29.8	758.10	29.701	75.6	86.3	77.8	.840	74.5	84.6	SW.	.6	..	1.0	Cu., hazy.
	14	31.1	757.90	29.687	74.3	87.	77.7	.829	74.1	83.	SW.	.6	..	1.0	Cu., Ci-cu., hazy.
	15	31.1	757.95	29.689	74.3	87.2	78.5	.859	75.2	83.9	SW.	.6	..	1.0	Cu., S., Ci cu., hazy.
	16	31.3	757.90	29.686	74.	87.7	78.5	.854	75.	83.2	SW.	.6	..	1.0	S., Ci-cu., hazy.
	17	31.7	758.25	29.697	75.8	87.6	79.4	.893	76.4	84.4	WSW.	.5	..	1.0	S., Ci-cu., hazy.
	18	31.7	758.30	29.699	74.2	84.	77.4	.849	74.8	86.8	WSW.	.1	..	1.0	Cu., S., Ci., hazy.
	19	30.5	758.80	29.724	75.8	82.6	76.4	.835	73.9	89.1	WSW.	.04	..	1.0	Cu., S., Ci., hazy. [ning.
	20	30.2	759.90	29.770	72.5	77.1	70.6	.669	67.4	88.6	WNW.	1.0	..	1.0	Cu., S., Cu-s., N. ; thunder and light-
	21	30.1	759.70	29.763	69.	75.	71.2	.714	69.5	94.9	NNW.	.6	..	.8	Ci-s., Cu-s. Ci.
	22	29.5	760.20	29.785	67.9	74.1	70.6	.702	68.9	94.9	NW.	.5	..	.3	S., Ci-s., Ci cu., Ci.
	23	29.1	760.10	29.782	67.5	73.	70.1	.697	68.7	97.	WNW.	.3	..	.1	S., Ci-s., Ci.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
5	0	28.3	760.25	29.792	68.1	72.7	70.1	.700	68.8	98.	NW.	.25	..	.05	S., Ci.
	1	27.5	760.35	29.800	....	72.4	70.1	.704	69.	98.3	NW.	.30	..	.05	Cu., Ci-s.
	2	26.9	760.40	29.805	68.	72.	69.7	.695	68.6	98.2	NW.	.30	..	.50	Cu., Cu-s.
	3	25.9	760.70	29.822	67.8	72.1	69.2	.676	67.8	97.5	NW.	.30	..	.95	Cu., S., Cu-s.
	4	26.2	761.00	29.832	67.8	72.1	69.	.670	67.5	96.5	NW.	.30	..	.90	Cu., Ci-s.
	5	26.	761.30	29.844	66.7	71.5	68.4	.657	66.4	96.3	NW.	.30	..	1.00	Cu., S., Cu s.
	6	26.2	761.80	29.864	66.	71.5	68.	.642	66.2	95.7	NW.	.30	..	.60	Cu.
	7	26.2	762.40	29.887	65.2	72.9	68.	.626	65.4	91.8	NW.	.35	..	1.00	Hazy, Cu s.
	8	26.6	762.90	29.904	63.4	75.6	68.4	.610	64.6	86.5	NNW.	.60	..	1.00	Hazy, S., Cu-s., Ci-cu.
	9	27.2	763.30	29.916	64.	77.5	69.2	.616	64.9	84.2	NNW.	.60	..	1.00	Hazy, Ci-s., Ci-cu.
	10	27.4	763.65	29.929	....	79.	71.	.663	67.2	85.	NNE.	.70	..	1.00	Hazy, Ci-s., Ci-cu.
	11	28.	763.75	29.931	....	80.2	71.5	.667	67.4	83.	N.	.70	..	1.00	Hazy, Ci-s.
	12	28.8	763.80	29.928	....	81.5	71.5	.653	66.7	81.5	NNE.	.60	..	1.00	Hazy, Ci-s, Cu.
	13	28.9	763.75	29.926	64.2	82.	71.7	.655	66.8	82.	NNE.	.50	..	1.00	Hazy, Cu.
	14	28.8	763.70	29.924	64.2	82.	71.	.630	65.6	80.	NNE.	.50	..	1.00	Hazy, Cu.
	15	29.1	763.85	29.929	64.3	82.7	71.4	.637	66.	78.7	NNE.	.50	..	1.00	Hazy, S., Cu.
	16	29.4	763.95	29.932	64.1	82.5	71.2	.632	65.7	76.9	NE.	.40	..	1.00	Hazy, S., Cu.
	17	29.6	764.25	29.944	66.8	82.	72.6	.687	68.3	79.7	NE.	.40	..	1.00	Hazy, S., Cu.
	18	29.9	764.30	29.945	65.5	80.4	71.	.647	66.4	81.1	NE.	.30	..	1.00	Hazy, Ci-cu., Cu.
	19	28.9	764.90	29.972	65.8	76.1	70.	.660	67.	87.2	ENE.	.25	..	1.00	Hazy, S., Cu.
	20	28.5	765.25	29.987	63.2	74.5	68.5	.625	65.4	89.1	ENE.	.30	..	.30	S., Ci-cu.
	21	28.3	765.70	30.006	64.5	72.5	68.6	.651	66.6	95.2	ENE.	.25	..	.10	Cu., Ci., Ci-cu.
	22	27.9	766.25	30.031	68.	71.2	69.7	.703	69.	97.8	ENE.	.20	..	1.00	Hazy, Cu., S.
	23	27.4	766.40	30.038	67.4	71.	69.	.682	68.	98.9	ENE.	.20	..	1.00	Hazy, Cu., S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
6	0	26.9	766.25	30.035	68.	70.5	68.7	.677	67.8	99.1	ENE	.4	.	.0	Ci-cu.
	1	26.8	766.35	30.040	67.2	69.9	68 5	.676	67.8	99.1	ENE.	.45	. .	.7	Ci-cu., Ci., Ci-s.
	2	26.2	766.40	30.015	68.	69.7	68.4	.676	67.8	99.1	ENE.	.7	.	.0	Cu., Cu s.
	3	26.1	766.25	30.039	68.	69.8	68.5	.677	67.8	99.	ENE.	.7	.	.65	Cu., Cu s.
	4	26.	766.10	30.016	67.4	69.6	68.1	.666	67.3	99.	ENE.	.7	.	.95	Cu.
	5	25.8	767.05	30.071	66.5	69.4	67.8	.659	67.	98.7	ENE.	1.2	. .	1.0	Cu., Cu s.
	6	25.5	767.35	30.084	65.8	69.2	67.4	.648	66.5	98.	ENE.	.8	. .	1.0	Cu., Ci cu , Cu-s.
	7	25.	767.75	30.103	65.7	69.5	67.4	.645	66.3	97.3	ENE.	.9	.	1.0	Cu., N., Cu s.
	8	25.	767.75	30.103	65.6	70.5	67.9	.650	66.6	95.8	ENE.	1.3		1.0	Cu , N., Cu s.
	9	24.6	767.95	30.113	66.	72.2	68.9	.664	67.2	93.2	ENE.	1.5		1.0	N., Cu s.
	10	24.2	767 95	30.115	66.1	72.3	68.8	.660	67.	94.8	ENE.	1.2		1.0	N., Cu-s.
	11	25.1	767 85	30.107	66.7	73.3	69.4	.669	67 4	94.2	ENE.	.9	.	1.0	N., Cu s.
	12	25.3	767.75	30.102	66 2	72.4	68 7	.656	66.9	94.9	ENE.	1.1	. .	1.0	N., Cu s
	13	25.4	767.50	30.092	66.	73.	68.8	.652	66 7	93.2	ENE.	1.8	. .	1.0	N., Cu s.
	14	24.6	767.15	30.081	66.1	73.5	69.2	.660	67.	92.9	ENE.	1.5		1.0	N., Cu-s.
	15	25.3	767 35	30.086	65.7	73.	68.5	.643	66.2	92.4	ENE.	1.0		1.0	N., Cu s
	16	25.4	767.15	30.078	65.2	72.3	68.1	.636	65.9	93.2	ENE.	1.5		1.0	N., Cu s.
	17	25.5	767.25	30.080	65.	71.7	67.6	.626	65.4	93.3	ENE.	1.5		1.0	N , Cu s.
	18	25.4	767.45	30.090	64.8	71.6	67.5	.624	65.3	94.9	ENE.	1.4	. .	1.0	N., Cu s.
	19	24.8	767.50	30.095	64.5	70.	66.8	.619	65.1	....	ENE.	1.2	. .	1.0	N., Cu-s.
	20	24.7	767.65	30.101	64.8	69.4	66.6	.620	65.2	97.	ENE.	1.0	. .	1.0	N., Cu s.
	21	24.4	767.50	30.096	64.6	68.7	66.	.608	64.5	97.	ENE.	1.0	. .	1.0	N., Cu-s.
	22	24.3	767.35	30.090	65.	68.	65.5	.600	64.1	97.	ENE.	1.0	. .	1.0	Cu., Ci-cu., Cu-s., *ESE.*
	23	24.	766.85	30.072	64.	67.7	66.3	.628	65.5	97.9	ENE.	1.3	. .	.0	Ci-cu., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
7	0	23.9	767.25	30.088	*65.	67.8	65.6	.605	64.4	98.	ENE.	.95	..	1.0	Cu., Cu-s.
	1	23.7	767.00	30.080	63.6	67.7	65.5	.603	64.3	97.8	ENE.	.70	..	1.0	Cu., S., Cu-s.
	2	23.4	766.40	30.058	64.	67.6	65 5	.605	64.4	98.2	ENE.	.70	..	1.0	Cu., S., Cu-s.
	3	23.3	766.05	30.044	64.	67.6	65.7	.611	64.7	98.2	ENE.	1.60	..	1.0	Cu., S., Cu-s.
	4	23.2	765.80	30.034	63.8	67 6	65.9	.617	65.	98.2	ENE.	1.00	..	1.0	Cu., S., Cu-s.
	5	23.3	765.75	30.032	64.	67.8	65.7	.609	64.6	98.5	ENE.	1.00	..	1.0	Cu., N., Cu-s., raining.
	6	23.1	765.20	30.012	63.8	66.9	65.3	.605	64.4	99.3	ENE.	.90	..	1.0	Cu., N., Cu-s, raining.
	7	22.8	765 05	30.007	64.2	65.9	64.9	.604	64.3	99.2	ENE.	1.30	.080	1.0	N., raining.
	8	22.7	765.05	30.007	64.	65.9	64.7	.598	64.	97.3	ENE.	2.00	.090	1.0	N., raining.
	9	22.8	766.15	30 053	63.3	65.8	64.2	.583	63.3	97.	ENE.	2 00	.080	1.0	N., raining.
	10	22.	765.90	30.016	63.8	66.	64.7	.596	63.9	98.	ENE.	2.50	.035	1.0	N., raining.
	11	22.	765.50	30.029	64.2	66.4	65.	.601	64.2	98.	ENE.	2.50	.030	1.0	N., raining.
	12	22	765.50	30 029	63.8	65.5	64.5	.596	63 9	98.9	NE.	2.30	.070	1.0	N., raining.
	13	22.	766.30	30.061	63.	65.	63.9	.583	63 3	97.9	NE.	2.20	.440	1.0	N., raining, *E.*; 13*h*. 25*m*., thunder.
	14	21.2	764.45	29.992	63.	64.6	63.7	.581	63.2	98.	ENE.	3.00	.290	1.0	N., raining, *E.*
	15	21.2	764.25	29.984	63.9	65.6	64.7	.601	64.2	98.	ENE.	4.00	.080	1.0	N., Cu-s., *E.*
	16	21.3	764.60	29.997	62.4	65.4	64.	.581	63.2	97.	ENE.	3.00	.004	1.0	N., Cu-s.
	17	21.3	764.85	30.007	62.4	65.	63.1	.559	62.5	97.	ENE.	2.75	..	1.0	N., Cu-s.
	18	21.3	765.20	30.020	59.5	63.	61.5	.533	60.6	96.1	ENE.	2.50	..	1.0	N., Cu-s.
	19	20.9	765.45	30.032	59.2	63.6	61.5	.527	60.2	96.4	ENE.	1.50	..	.98	Cu., N., Cu-s., *SW.*
	20	21.	765.85	30.048	59.3	63.7	61 6	.529	60.3	96.8	ENE.	1.20	..	1.0	Cu., N., Cu-s.
	21	21.1	766.00	30.053	58.1	63.5	61.1	.516	59.6	....	ENE.	1.00	..	1.0	Cu., N., Cu-s.
	22	21.	765.80	30.046	57.7	63 1	60.1	.491	58.1	94.7	ENE.	.90	..	1.0	Cu., N., Ci-cu., Cu-s.
	23	20.9	765.55	30.036	58.	62.5	60.	.495	58.3	95.9	NE.	.70	..	1.0	Cu., N., Ci-cu.

* Thirty minutes late.

DAILY METEOROLOGICAL OBSERVATIONS

Day of Month	Barometer. Temperature of the Mercury	Barometer. Height in Inches and Hundredths	Barometer. Variation in Inches	Thermometer. Noon	Thermometer. Morning	Thermometer. Evening	Weather. Rain, Snow, Hail, &c.	Wind. Direction	Wind. Force	Remarks, and observations of their effects
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Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
9	0	21.7	762.00	29.892	59.5	62.	60.8	.514	59.5	98.8	NNW.	.12	..	1.0	Hazy, Ci.
	1	21.4	761.50	29.875	58.8	61.5	60.5	.521	59.9	99.2	NW.	.10	..	1.0	Hazy, Ci., Ci-s. in Hor.
	2	21.1	761.15	29.862	57.9	61.	60.	.512	59.3	98.8	NW.	.10	..	1.0	Cu., Cu-s., hazy, S., Ci., Ci-s.
	3	21.1	761.05	29.858	58.6	61.9	61.	.531	60.4	98.5	NW.	.10	..	1.0	Hazy, Ci-s. in Hor.
	4	20.9	761.35	29.871	58.8	62.	61.1	.533	60.6	99.	NW.	.10	..	1.0	Hazy, Ci-s. in Hor.
	5	20.7	762.30	29.909	61.	63.3	62.	.544	61.2	98.3	NW.	.20	..	1.0	Hazy, Ci., Cu.
	6	20.6	763.00	29.936	61.5	63.2	61.7	.537	60.8	98.2	NNW.	.70	..	1.0	Hazy, Ci., Cu.
	7	20.4	763.80	29.970	56.8	64.	59.4	.462	56.3	90.2	NNW.	1.20	..	1.0	Hazy, Ci., S.
	8	20.7	764.25	29.986	55.8	65.	59.6	.456	55.9	87.4	NNW.	1.20	..	1.0	Hazy, S., Cu.
	9	21.	764.55	29.997	51.8	65.1	57.4	.394	51.6	83.	NNW.	1.90	..	1.0	Ci-cu , hazy, Ci-s., Cu.
	10	21.1	764.80	30.006	50.	65.1	56.	.356	48.6	76.2	NNW.	2.10	..	1.0	Ci-cu., hazy, Ci-s., Cu.
	11	21.5	764.90	30.009	50.2	66.	56.6	.363	49.2	75.2	NW.	2.10	..	1.0	Ci-cu., hazy, Ci-s., Cu.
	12	21.8	765.05	30.012	48.6	66.5	56.	.340	47.3	72.8	NW.	2.10	..	1.0	Ci-cu., hazy, Ci-s., Cu.
	13	21.6	765.10	30.014	48.6	66.7	56.2	.343	47.5	71.8	NW.	2.00	..	.7	Ci cu., hazy, Ci., Ci-s., Cu.
	14	21.6	764.95	30.008	48.1	67.2	56.2	.338	47.1	71.	NW.	1.90	..	1.0	Ci cu., hazy, Ci., Ci-s., Cu.
	15	21.8	765.00	30 010	48.4	67.7	56 6	.344	47.6	70.9	NW.	1.80	..	.6	Hazy, Ci., Ci-s., Cu.
	16	22.1	765.05	30.010	49.9	68.	57.5	.363	49.2	71.4	NW.	1.90	..	1.0	Hazy, Cu.
	17	22.5	765.40	30.022	47.8	67.1	56.1	.336	46.9	70.6	NW.	1.00	..	1.0	Hazy, Cu.
	18	22.1	765.95	30.046	47.2	65.2	56.	.354	48.5	72.9	NW.	.60	..	1.0	Hazy, Cu.
	19	21.8	766.20	30.058	49.5	61.5	55.2	.374	50.1	80.	NW.	.25	..	1.0	Hazy, Ci s.
	20	21.5	766.60	30.076	50.	59.	53.5	.359	48.8	86.8	NW.	.25	..	1.0	Hazy.
	21	21.	767.30	30.105	48.5	56.8	53.2	.376	50.2	91.	NW.	.20	..	1.0	Hazy.
	22	20.7	767.70	30.122	48.5	56.	52.3	.363	49.2	91.	NW.	.15	..	1.0	Hazy, Ci.
	23	20.	767.85	30.131	48.	55.3	51.5	.350	48.1	90.2	NW.	.13	..	1.0	Hazy, Ci.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
11	0	16.2	764.75	29.928	48.	50.6	49.6	.357	48.7	99.	NNE.	.6	.007	1.0	N., raining.
	1	16.3	764.65	29.923	47.8	50.	49.1	.352	48.3	99.8	NE.	.55	.130	1.0	N., raining.
	2	16.	761.05	29.900	47.9	50.	49.3	.357	48.7	100.	NE.	.65	.009	1.0	N., raining.
	3	15.7	763.60	29.984	47.8	50.	49.2	.354	48.4	99.3	NE.	.8	.220	1.0	N., raining.
	4	15.4	763.40	29.978	47.6	49.6	49.	.354	48.4	98.	NE.	1.1	.290	1.0	N., raining.
	5	15.3	763.15	29.968	48.2	49.8	49.1	.354	48.4	98.5	NE.	1.0	.120	1.0	N., raining.
	6	14.8	763.00	29.965	48.6	49.8	49.2	.356	48.6	98.7	NE.	1.0	.080	1.0	N., raining.
	7	14.8	763.10	29.969	48.8	50.2	49.5	.359	48.8	98.8	NE.	.7	.070	1.0	N., raining.
	8	14.8	763.45	29.983	49.	50.7	50.	.365	49.3	98.8	NNE.	.8	.060	1.0	N., raining.
	9	14.8	763.25	29.975	49.6	51.5	50.6	.371	49.8	97.9	NE.	1.2	.020	1.0	N., scud, *NE.*, raining.
	10	14.4	763.05	29.968	49.9	51.8	51.	.377	50.3	98.2	NE.	1.2	.010	1.0	N., scud, *NE.*, raining.
	11	14.6	763.30	29.977	50.3	52.4	51.3	.378	50.4	97.9	NE.	1.5	.004	1.0	N., scud, *NE*, raining.
	12	14.6	763.55	29.979	49.8	52.	50.9	.373	50.	97.9	NNE.	1.5	.022	1.0	N., scud, *NE.*, raining.
	13	14.5	762.80	29.959	49.8	52.	50.9	.373	50.	97.9	NE.	1.5	.030	1.0	N., scud, *NE.*; 13*h*.42*m*., ceased raining.
	14	14.4	762.85	29.961	49.1	52.3	50.7	.364	49.2	96.6	NNE.	1.4	.037	1.0	S., scud, *NE.*
	15	14.4	762.95	29.964	48.6	53.	50.8	.359	48.8	94.1	NE.	1.4	..	1.0	S., scud, *NE.*
	16	14.5	762.55	29.949	48.1	53.3	50.7	.353	48.4	93.1	NE.	1.1	..	1.0	S., scud, *NE.*
	17	15.6	762.60	29.945	49.	54.	51.2	.358	48.8	94.1	NE.	.8	..	1.0	S.
	18	16.5	762.55	29.939	49.5	53.4	51.	.350	48.8	94.7	NE.	.8	..	1.0	S.
	19	18.4	762.80	29.940	50.2	53.4	51.5	.372	49.9	96.1	NE.	.8	.020	1.0	S.
	20	20.5	763.50	29.956	49.	53.9	52.	.379	50.4	96.9	NE.	.8	.020	1.0	S.
	21	23.5	764.10	29.976	51.	54.5	52.5	.385	50.9	95.7	NE.	.8	.010	1.0	N., raining.
	22	23.9	764.35	29.974	50.4	55.	52.5	.379	50.4	95.2	NE.	.8	..	1.0	S.
	23	23.5	764.30	29.974	49.8	55.	52.	.366	49.4	92.5	NNE.	1.5	..	1.0	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
12	0	23.2	764.15	29.970	50.8	53.5	52.4	.393	51.5	98.5	NE.	1.8	.001	1.0	S., N., drizzling.
	1	23.3	764.15	29.969	50.	53.	51.6	.378	50.4	98 2	ENE.	1.7	.003	1.0	N., drizzling.
	2	23.4	763.90	29.959	50.8	53.5	52.2	.387	51.	97.8	ENE.	1.6	.002	1.0	N., drizzling.
	3	23.	763.60	29.949	51.2	53.5	52.4	.393	51.5	98.	ENE.	1.5	.050	1.0	N. [after 4*h*.
	4	22.8	764.05	29.968	51.	53.5	52.	.383	50.8	96.	NE.	1.3	..	1.0	N.; recommenced drizzling a few minutes
	5	23.1	764.65	29.991	50.5	53.2	51.5	.374	50.	96.9	NE.	1.0	.065	1 0	N., drizzling.
	6	22.5	765.20	30.014	50.3	53 3	51.7	.378	50.4	96.9	NE.	1.2	.005	1.0	N., raining.
	7	22.4	765.60	30.030	50.2	54.	51.8	.372	49 9	95.	NNE.	1.3	..	1.0	Cu., Cu-*s*, S., Ci-cu.
	8	23.	766.15	30.050	50.3	55.9	52.8	.376	50.2	92.2	NE.	1 2	..	1.0	Cu., Cu s.
	9	21.3	766.35	30.066	50.2	58.	53 3	.365	49.3	89.7	NE.	1.2	..	1.0	(1) Cu., *ENE.*; (2) Ci-cu, Ci., hazy, *W.*
	10	23.7	766.45	30.059	50.4	59.3	53.7	.360	48.9	84.9	NE.	1.5	..	1.0	(1) Cu., *ENE.*; (2) Ci-cu., Ci., hazy, *W.*
	11	24.	766.55	30.060	49.2	60.7	52.5	.315	45.1	79.	ENE.	1.7	..	1.0	(1) Cu., *ENE.*; (2) Ci-cu., Ci.,* *WNW.*
	12	24.5	766.80	30.069	45.8	61.8	53.5	.328	46.2	77.3	ENE.	2.0	..	1.0	(1) Cu., S., *ENE.*; (2) Ci-cu.,* *WNW.*
	13	24.1	766.70	30.066	45.	62.5	53.4	.317	45.2	74.2	NE.	1.6	..	1.0	(1) Cu., *ENE.*; (2) Ci-cu.,* *WNW.*
	14	23.8	766.50	30.059	44.7	63 1	53.1	.303	43.9	72.1	ENE.	1.7	..	1.0	Cu , S., hazy, *ENE.*
	15	24.5	766.85	30.071	43.8	62.7	52.5	.293	43.	72.	ENE.	1.1	..	1.0	Cu., S., hazy, *ENE.*
	16	23.9	766.75	30.069	44.6	62.5	52.5	.295	43.1	72.	NE.	.9	..	1.0	Cu., S., Cu-s, hazy.
	17	24.3	767.00	30.100	44 2	62.1	52.6	.302	43.9	72.	NE.	.7	..	1.0	Cu., Cu-s., hazy.
	18	23.	767.25	30.093	45.5	60.	53.	.346	45.1	76.7	NE.	.6	..	1.0	Cu., Cu-s., hazy.
	19	21.3	767.60	30.115	46.7	56.5	51.5	.337	47.	81 8	NE.	.6	..	1.0	S., hazy.
	20	21.5	767.80	30.123	48.	54.5	50.6	.337	47.	91.5	NE.	.6	..	1.0	Hazy.
	21	21.2	767.90	30.128	46 1	51.	48.8	.333	46.7	96.8	NE.	.6	..	1.0	Hazy.
	22	21.9	767.90	30.124	45.9	49.9	48.	.327	46.1	97.1	NE.	.6	..	1.0	Hazy.
	23	22.9	768.15	30.130	45.9	49.5	47.6	.327	46.1	97.8	NE.	.6	..	1.0	S., hazy.

* Hazy.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
13	0	23.	768.20	30.131	44.9	49.6	47.5	.319	45 4	96.2	ENE.	.6	..	1.0	Cu., S.
	1	21.9	768.10	30.132	44.2	49.9	47.5	.316	45.1	93.9	ENE.	.6	..	.7	Cu., Ci-s., S.
	2	21.1	767.85	30.126	44.4	49.5	47.	.309	44.5	94.2	ENE.	.6	..	.3	Ci-cu., Ci s., S.
	3	20.6	767.70	30.122	43.4	48.5	46.5	.308	44.4	94.8	ENE.	.6	..	.8	Cu., Cu-s., S.
	4	21.	767.70	30.120	44.	51.	48.	.315	45.	92.4	ENE.	.6	..	1.0	Cu., Cu-s., S.
	5	23.	768.45	30.139	45.4	52.2	48.	.301	43.8	91.6	ENE.	.6	..	1.0	Cu-s., S.
	6	24.	768.85	30.149	46.	52.3	49.2	.328	46.2	91.7	ENE.	.6	..	1.0	Cu., Cu-s., Ci-cu.
	7	23.8	769.15	30.161	47.2	53.5	50.	.333	46.7	91.5	ENE.	.6	..	1.0	Hazy, Cu s., Ci-cu.
	8	24.3	769.40	30.169	50.2	57.2	53.5	.380	50.5	91.8	ENE.	.6	..	1.0	Hazy, Ci cu.
	9	24.7	769.85	30.186	51.6	60.5	55.7	.399	52.	88.7	ENE.	.7	..	1.0	Hazy, Cu-s., Ci cu.
	10	22.	769.50	30.185	50.8	62.6	56.6	.401	52.1	86.2	ENE.	.9	..	1.0	Hazy, Cu-s., Ci-cu.
	11	24.7	769.70	30.180	50.3	65.6	57.7	.396	51.7	80.6	E.	1.2	..	1.0	Hazy, Cu-s., Ci cu., *WSW.*
	12	23.1	769.10	30.164	47.5	67.1	57.7	.380	50.5	76.7	ESE.	1.2	..	1.0	Hazy, Cu s., Ci-cu., *WSW.*
	13	24.2	768.75	30.145	48.5	67.7	58.4	.392	51.4	76.	ESE.	1.2	..	1.0	Hazy, Cu s., Ci., Ci cu., Cu.
	14	23.8	768.65	30.143	48.2	66.4	57.6	.384	50.8	77.	E.	1.3	..	.9	Cu s., Ci-cu., Cu.
	15	23.7	768.75	30.148	48.2	66.4	57.5	.381	50.6	77.	E.	1.4	..	.9	Cu-s., Cu.
	16	23.3	768.75	30.089	49.	65.5	57.5	.391	51.4	78.	E.	1.0	..	.9	Cu-s., Ci., Ci-cu., Cu.
	17	23.	768.80	30.153	47.7	64.4	56.5	.378	48.8	79.2	E.	1.0	..	1.0	Cu-s., Ci., Ci cu., Cu.
	18	22.2	768.80	30.153	45.6	60.5	54.	.355	48.5	87.2	E.	1.0	..	1.0	Cu s., Ci., Ci cu., Cu.
	19	21.5	769.10	30.172	40.4	57.8	53.1	.362	49.1	86.7	E.	.9	..	1.0	Cu-s.
	20	22.8	769.00	30.161	48.8	56.5	52.5	.362	49.1	90.7	E.	.7	..	1.0	Hazy.
	21	21.	769.00	30.171	49.5	55.	51.4	.352	48.3	91.7	E.	.7	..	.65	Cu., Cu-s., Ci., S.
	22	20.5	768.90	30.169	46.9	56.4	52.	.350	48.1	90.5	E.	.7	..	1.0	Cu., Cu-s., S.
	23	19.9	769.15	30.180	46.7	56.	51.9	.351	48.2	91.2	E.	.7	..	1.0	Cu., Cu-s., S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
14	0	19.6	769.00	30.176	44.8	55.9	52.3	.363	49.2	91.7	E.	.7	..	1.0	Cu-s., S.
	1	19.4	768 45	30.156	48.	57.	52.1	.345	47.7	92.1	ENE.	.8	..	1.0	Cu-s., S.
	2	18.8	767.90	30.138	48.2	56.2	52.7	.370	49.8	92.4	ENE.	.7	..	1.0	Cu-s., Cu., S.
	3	18.6	768.00	30.144	48.6	57.1	53 4	.378	50.4	92.4	ENE.	.6	..	1.0	Cu-s., Cu.
	4	18.2	768.15	30.151	49.6	56.9	53.3	.378	50.4	93.4	ENE.	.8	..	1.0	Cu-s., Cu.
	5	18.	767.80	30.139	50.	57.4	53.2	.369	49.6	91.9	ENE.	1.3	..	1.0	Cu-s., S.
	6	17.8	767.90	30.144	49.8	57.8	53.4	.370	49.8	91.5	ENE.	1.3	..	1.0	Cu-s., Cu., S.
	7	17.6	768.05	30.151	50.	58.4	54.2	.384	50.8	91.3	ENE.	1.3	..	1.0	Cu-s., Cu., S.
	8	17.8	768.25	30.158	50.8	59.8	55.4	.399	51.9	91.5	ENE.	1.7	..	1.0	Cu-s., Cu., S.
	9	18.1	767.85	30.141	54.1	61.9	57.8	.440	54.8	92.4	ENE.	2.0	..	1.0	Cu-s., Cu., Ci-cu., S.
	10	18.6	767.65	30.130	57.4	66.6	61.5	.493	58.2	91.4	ENE.	2.0	..	1.0	Cu-s., Cu., Ci cu., S.
	11	19.1	767.65	30.127	57.5	66.8	61.7	.497	58.5	91.	E.	2.0	..	1.0	Cu-s., Cu., Ci cu., S. [raining.
	12	19.4	767.50	30.120	58.5	66.	61.6	.503	58.8	92.6	E.	2.3	..	1.0	Cu-s., Ci-cu., S.; 12*h*. 50*m*. commenced
	13	19.5	767.25	30.110	59.	65.2	61.6	.512	59.4	94.6	E.	2.0	..	1.0	Cu-s., Cu., raining, S.
	14	19.7	766.75	30 090	60.2	64.5	62.2	.537	60.8	98.	E.	1.5	.002	1.0	Cu-s., raining, S.
	15	19 6	766.30	30.072	61.2	63.5	62 2	.548	61.4	99.	ENE.	1.3	.010	1.0	Raining, S.
	16	19.7	765.65	30.046	60.9	63.	61.9	.545	61.2	99.	ENE.	1.8	.080	1.0	Raining, S.
	17	19.7	764.85	30.015	61.5	63.	62.5	.562	62.2	98.	ENE.	1.9	.020	1.0	Raining, S.
	18	20.1	764.55	30.001	63 7	64.5	64.	.591	63.7	98.	ENE.	2.0	.110	1.0	Raining, S.
	19	21.4	764.55	29.995	65.1	66.8	65.9	.626	65.4	97.8	S.	1.5	.080	1.0	N., raining.
	20	23.1	764.80	29.997	65.9	67.4	66.4	.631	65.8	98.2	ESE.	2 0	.050	1.0	N., raining.
	21	24.7	764.80	29.989	66.8	67.9	66.9	.645	66.3	97.8	ESE.	2.0	.035	1.0	N., raining.
	22	26.1	764.85	29.984	66.5	68.5	67.1	.645	66.3	97.6	ESE.	1.8	.010	1.0	N., raining.
	23	26.3	763.90	29.945	67.	68.7	67.8	.667	67.4	97.4	ESE.	1.6	.300	1.0	N., raining.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
15	0	26.7	763.15	29.913	67.2	69.8	68.7	.685	68 2	97.7	ESE.	1.0	.060	1.0	N , raining.
	1	26.9	762.70	29.895	68.5	70 3	69.4	.703	69.	97.8	ESE.	1.0	.040	1.0	N.
	2	26.7	761.90	29 865	69.7	71.7	70.8	.736	70.4	97.8	ENE.	.9	.006	1.0	N.
	3	26.7	761.30	29 841	69.9	73 4	72.3	.771	71.8	97 8	NE.	1.6	.005	1.0	N., raining.
	4	26.5	760.75	29.822	72.5	73.5	73.5	.777	72.1	98.2	NE.	1.9	.005	1.0	N., raining
	5	26.6	760.40	29.806	72.6	73.3	72 9	.794	72.7	96 7	NE.	2.6	..	1.0	Cu s., Cu.
	6	26.8	759.65	29.776	72.	74.9	73.2	.787	72.5	97.5	NE.	3.5	.	1 0	Cu-s , Cu.
	7	27.	759.15	29.755	71.8	76.	73.6	.790	72.6	97.	NNE.	5.0	..	1.0	Cu s , Cu.
	8	27.4	759.10	29.750	....	76.9	74.1	.799	72.9	97.	NNE.	10.0*		1 0	Cu-s , N., Cu [9A. 50m. to 9A. 55m.
	9	27 6	759.55	29.768	72.5	77.7	74.4	.802	73.	96.7	NNE.	8.0	..	1.0	Cu s., N., Cu., *NNW*, rained from
	10	27.8	759.60	29.769	73.	76.8	74.2	.803	73.1	97.2	N.	5.8	.010	.95	Cu-s , N., Cu., *NNW*.
	11	28.1	759.55	29.766	70.	79.1	73.5	.753	71.	90.7	NNW.	3.0	..	.85	Cu s , Cu , *NNW*.
	12	28.3	759.60	29.766	71.1	79.3	74.1	.773	71.9	91.7	NNW.	3.0	..	.8	Cl., Cu s., Cl-cu , Cu., NNW.
	13	28.7	759.50	29.761	71.9	81.3	75.5	.804	73.1	90.4	NNW.	2.5	..	.85	Cu-s., Cu., *NNW*.
	14	28.7	759.40	29.757	67.8	80.3	73 3	.732	70.2	87.9	NNW.	3.2	..	.95	Cu-s., Cl-cu , Cu., *NNW*
	15	28.8	759.40	29.756	68.3	80.7	73.7	.742	70.6	87.8	NNW.	2.8	..	.7	Cu-s., Cl-cu., Cu , *NNW*
	16	28.7	759.60	29.765	68.9	80.1	73.4	.737	70.4	88.7	NNW.	3.2	..	.9	Cu s., Cl-cu., Cu.
	17	28.4	759.60	29.766	68.6	79.	73.5	.753	71.1	91.	NNW.	1.8	..	.99	Cu-s., Cu., N.
	18	28.2	759.60	29.766	70.2	78.	73.5	.764	71.5	93.1	N.	1.4	..	1.0	Cl., Cu s , Cl-cu., Cu., N.
	19	27.7	759.60	29.769	71 6	75.2	72.	.740	70.5	96.7	N.	1.2	..	.2	Cl., Cl-s , Cl cu , Cu. in Hor.
	20	27.7	760.60	29.809	71.6	74.5	71.6	.731	70.2	97.0	N.	.9	..	.4	N.
	21	27.6	760.40	29.801	68.2	73.	70.5	.712	69.4	98.	N.	.9	..	.2	N., Cu-s.
	22	27.5	760.85	29.820	69.5	71.7	69.3	.685	68.2	97.9	N.	.9	..	.1	N.
	23	26.9	761.05	29.839	....	71.	68.	.648	66.5	97.	NNW.	.9	..	.8	Cl., N., Cu s.

* It blew several times as high as 19 pounds.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
16	0	26.5	760.95	29.830	....	70.7	68.1	.654	66.8	97.9	SW.	.8	..	1.0	Ci., S.
	1	26.2	760.95	29.831	....	70.3	68.1	.659	67.	98.2	SW.	.8	..	1.0	Ci., S.
	2	26.	760.80	29.825	....	69.6	67.7	.653	66.7	98.8	SW.	.8	..	1.0	Cu-s., *SW.*
	3	25.6	760.90	29.831	....	69.2	68.	.668	67.4	99.3	SW.	.8	..	1.0	Cu s., S.
	4	25.2	760.85	29 831	....	69.2	68.	.668	67.4	98.7	SW.	.8	..	1 0	Hazy, Cu-s., Ci-cu.
	5	25.	761.25	29.847	....	67.8	66.8	.644	66.3	98.7	SW.	.6	..	1.0	Hazy, S.
	6	24.5	761.65	29.866	....	67.5	66.4	.634	65.8	98.7	SW.	.6	..	1.0	Hazy, S.
	7	24.3	762.40	29.895	....	69.2	67.6	.654	66.8	96.7	SW.	.5	..	1.0	Hazy, Ci., Ci-s.
	8	24.7	762.75	29.908	63.7	71.4	66.5	.593	63.8	90.3	WSW.	.4	..	1.0	Hazy, Ci.
	9	25.1	763.10	29.919	61.2	73.	65.5	.544	61.2	81.3	W.	.5	..	.2	Hazy, Cu., Ci-cu.
	10	24.7	763.20	29.925	58.	74.	64.3	.494	58.3	77.8	W.	.5	..	.05	Cu., Ci-cu.
	11	25.5	763.15	29.918	59.6	75.2	65.7	.526	60.2	78.	WNW.	.6	..	.05	Cu., Ci-cu.
	12	26.1	762.75	29.901	57.8	75.7	65.6	.517	59.6	76.	W.	1.1	..	1.0	Hazy, Cu., Ci-cu.
	13	26.3	762.40	29.886	56.	76.3	65.	.490	58.	74.7	W.	.7	..	.3	Hazy, Cu., Ci-cu., *WSW.*
	14	26.6	762.30	29.880	58.8	77.3	66.8	.539	60.9	75.7	WSW.	.7	..	.4	Cu., Ci-cu.
	15	26.6	762.25	29.878	59.6	77.5	67.3	.554	61.7	75.8	W.	.6	..	.6	Hazy, Cu., Ci-cu., *WSW.*
	16	26.4	762.30	29.882	60.4	77.8	67.9	.570	62.6	76.	WSW.	.3	..	.7	Cu., Ci-cu., *WSW.*
	17	26.7	762.45	29.886	60.8	76.7	68.7	.609	64.6	80.	WSW.	.2	..	1.0	Hazy, Ci-s., Cu., S., Cu-s.
	18	26.1	762.50	29.891	62.	74.	67.3	.591	63.7	83.8	WSW.	.15	..	1.0	Hazy, Ci-s.
	19	25.7	762.60	29.897	63.6	70.5	66.	.588	63.5	90.9	WSW.	.1	..	1.0	Hazy, Ci-s., S.
	20	26.1	763.25	29.910	63.8	67.5	64.5	.573	62.7	95.7	WSW.	.1	..	..	Clear.
	21	25.8	763.30	29.923	63.5	66.5	64.5	.585	63.4	97.6	WSW.	.1	..	..	Clear.
	22	25.4	763.30	29.926	62.1	65.5	63.7	.571	62.6	98.9	WSW.	.1	..	..	Clear.
	23	24.1	763.05	29 921	60.8	64.2	61.8	.528	60.3	98.6	WSW.	.1	..	.9	S.

DAILY METEOROLOGICAL OBSERVATIONS.

Day	Hour	[illegible]	Barometer. [illegible]	Barometer. Corrected	Thermometers, Fah. [illegible]	Thermometers, Fah. [illegible]	Thermometers, Fah. [illegible]	[illegible]	[illegible]	[illegible]	Wind. Direction	Wind. Force, lbs.	[illegible]	[illegible]	Clouds, and direction of their winds
10	0	25.5	764.76	29.979	67.8	70.8	66.2	007	68.7	97.8	NNW	0		1.0	N
	1	25.8	764.70	29.977	66.5	66.6	68.8	660	68.4	97.5	NNW	0		1.0	N
	2	25.1	764.30	29.965	67.5	66.1	68.1	679	67.6	97.9	NNW	0		1.0	N.
	3	25.8	764.40	29.967	66.3	67.7	66.5	665	66.9	97.8	NNW	5		1.0	N
	4	25.4	764.60	29.974	66.4	68.4	67.4	667	66.9	97.7	NNW	4		1.0	N.
	5	25.2	764.55	29.980	68	69.5	68.8	691	68.4	98.1	NNW	3		1.0	N.
	6	25	766.10	29.998	68.4	69.8	69.1	698	68.8	98.4	NNW	3		1.0	N.
	7	24.8	766.30	30.010	68.6	70.3	69.4	708	69	98.9	NNW	3		1.0	N
	8	24.8	766.45	30.014	69.9	71.4	70.3	709	69.8	98.3	NNW	3		1.0	N
	9	25.1	766.45	30.018	70.4	73.9	71.8	755	71.9	98	NNW	3		1.0	N.
	10	24.8	766.55	30.018	71.4	75	75.	779	79.1	99.7	NNW	3		1.0	N.
	11	25.4	766.70	30.021	73.4	77.6	74.8	818	73.7	99.3	NNW	5		1.0	Hazy, Cu s, WNW
	12	25.2	766.30	30.001	77.7	79.1	75.8	810	74.5	99.9	NNW	5		1.0	Hazy, Cu
	13	25.9	766.00	29.995	74.6	81.9	77.9	879	75.6	99.9	NNW	3		1.0	Hazy, Cu
	14	27.7	764.85	29.958	74.3	83.0	78.3	881	75.3	99.7	NNW.	7		1.0	Hazy, Cu
	15	28.9	761.80	29.948	74.9	85.1	78.7	891	75.3	98.7	NNW	8		1.0	Hazy, Cu
	16	29	764.35	29.945	74.9	84.5	78.7	897	75.5	98.8	NNW	8		1.0	Hazy, Cu
	17	29.7	764.50	29.953	74.3	84.1	78.9	881	75	99.7	NW	9		1.0	Hazy, Cu, WNW
	18	30.	764.75	29.958	75.5	81.5	77.3	879	75.0	98	NW.	9		1.0	Hazy, Cu s, Cu, N.
	19	28.8	766.50	29.997	74.3	79.	75.4	835	78.9	95.9	NW.	5		1.0	Hazy, N.
	20	28.7	766.80	30.000	73.5	77.	74.5	813	73.5	98	NW.			1.0	N.
	21	29.	766.90	30.011	73.8	76.3	74.3	813	73.5	97.7	NW	.1		.8	N.
	22	29.	766.80	30.007	71.7	76.6	73.8	803	78.1	97.9	NW.	.3		.4	Hazy, N.
	23	28.7	766.90	30.018	72.1	75.9	73.5	794	78.7	98.1	NW.	.15		.5	Cl., Cu, N

Date		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
19	0	28.5	765.95	30.015	70.5	74.7	73.1	.785	72.4	98.4	SW.	.2	..	.6	S , Ci., Cu.
	1	28.4	766.00	30.018	69 3	73.8	72.2	.763	71.5	98.1	SW.	.15	..	.6	S., Ci., Cu.
	2	28.	766.00	30.020	70.7	73.7	72.4	.772	71.9	98.5	SW.	.15	..	.4	Ci cu., Cu-s., Cu.
	3	27.2	765 85	30.017	69.6	72.2	71.1	.741	70.6	98.4	SW.	.15	..	1.0	Ci., S., foggy, hazy.
	4	26 7	766.05	30.028	68 6	71.	70.	.716	69.5	98 4	SW.	.1	..	1.0	〃
	5	26.7	766.80	30.058	69.3	71.5	70.5	.728	70.	98 3	WNW.	.2	..	.2	Ci , Ci cu.
	6	26.4	767.60	30.091	69.	71.	70.	.716	69.5	98 3	WNW.	.2	..	1.0	Ci., S., Ci cu.
	7	26.2	768.25	30.118	68.7	72.9	70.7	.719	69.7	97.	NW.	.4	..	1.0	Ci., S.
	8	26.4	768.50	30.125	67.8	75.5	71.2	.708	69.2	96.8	NNW.	.5	..	1.0	Ci., hazy.
	9	27.2	769.00	30.139	64.	78.	69.3	.614	61.8	82.2	N.	.7	..	1.0	Hazy, Ci-s.
	10	27.5	768.90	30.135	67.2	79.8	71.2	.660	67.	83.8	NE.	.6	..	1.0	Hazy.
	11	28.	768.85	30.130	67.8	81.2	72.5	.691	68.4	82.8	NE.	.5	..	1.0	Hazy.
	12	28.9	768.75	30.122	69.3	82.6	73.9	.727	70.	82.9	NE.	.5	..	1.0	Cu., S., hazy, Ci s.
	13	29.	768 70	30.120	67.5	83.1	73.3	.699	68 8	81.3	NNE.	.6	..	1.0	Cu., S., hazy, Ci-s.
	14	29.4	768.80	30.121	68.2	84.4	74.2	.718	69.6	79.8	NNE.	.5	..	1.0	Cu., S., hazy, Ci-s., *NNE.*
	15	29.7	769.25	30.137	68.6	84.8	74.2	.713	69.4	79.9	NE.	.4	..	1.0	Cu., S., hazy, Ci s.
	16	29.9	769.25	30.137	67.3	83.5	74.1	.725	69 9	81.5	NNE.	.5	..	1.0	Cu., S., hazy, Ci-s.
	17	30.5	769.95	30.161	67.6	82.5	74.5	.758	71.3	83.4	NE.	.4	..	1.0	Cu., S., hazy, Ci-s.
	18	30.2	770.10	30.167	68.	80.5	73.5	.736	70 4	86.8	NE.	.4	..	1.0	Cu., S., hazy, Ci-cu., Ci-s., Cu-s.
	19	29.5	770.40	30 183	65.9	77.	70.1	.652	66.7	88.2	NE.	.5	..	1.0	S., hazy, Ci-s., Cu s.
	20	29.3	770.70	30.197	63.8	75.7	69 4	.648	66.5	88.5	ENE.	.4	..	..	S. in Hor.
	21	29.	771.05	30 212	64.	73.7	69.1	.655	66.8	92.2	ENE.	.5	..	.8	S.
	22	28.5	771.45	30.230	63.9	72.	68.4	.651	66.0	95 4	ENE	.6	..	.3	S. in Hor., hazy.
	23	27.8	771.60	30.239	63.3	70.2	67.3	.634	65.8	96 5	ENE.	.5	..	.2	S., hazy.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
20	0	27.3	771.70	30.246	63.6	69.2	66.5	.618	65.	97.	ENE.	.60	..	1.0	Hazy, S.
	1	26.9	771.80	30.252	63.8	68.5	66.	.610	64.6	97.5	ENE.	.50	..	.9	Cu., Cu-s., Ci-s.
	2	26.7	771.75	30.251	63.5	68.	65.3	.593	63.8	97.5	ENE.	.50	..	.7	Cu., Cu s.
	3	26.2	771.80	30.256	62.9	67.2	64.6	.580	63.1	97.5	ENE.	.50	..	.3	Cu., Cu s.
	4	25.4	771.80	30.260	62.4	66.5	64.5	.585	63.4	98.	ENE.	.50	..	..	Clear.
	5	25.6	772.60	30.289	62.1	65.5	63.7	.571	62.6	98.5	NE.	.50	..	.6	Ci., Ci-s., S.
	6	24.8	772.90	30.306	61.2	64.8	63.	.558	61.9	98.7	NE.	.40	..	1.0	Ci., Ci-cu., S., Cu.
	7	24.5	772.95	30.309	62.	67.1	64.1	.565	62.3	97.3	NE.	.50	..	1.0	Ci., S.
	8	24.8	773.25	30.320	62.4	69.2	65.6	.590	63.6	94.1	ENE.	.60	..	1.0	Ci., hazy, S.
	9	25.1	773.55	30.330	64.	71.7	67.6	.626	65.4	92.1	ENE.	.60	..	1.0	Ci., hazy, S., Ci s.
	10	25.	773.50	30.328	63.4	73.7	68.1	.620	65.1	88.8	ENE.	.30	..	1.0	Hazy, S., Ci-s.
	11	25.7	773.45	30.323	63.	75.7	68.8	.622	65.2	86.2	E.	.30	..	1.0	Cu., hazy, S., Cu s., Ci-s., Ci-cu.
	12	26.8	773.20	30.308	62.4	77.6	69.3	.618	65.	81.	E.	.30	..	1.0	Cu., hazy, S., Cu s., Ci-s., Ci-cu, *SSE.*
	13	27.1	772.80	30.290	64.	78.2	70.7	.660	67.	83.7	ENE.	.25	..	1.0	Cu., hazy, Ci-cu, *SSE.*
	14	27.1	772.35	30.272	61.9	79.	69.6	.613	64.8	81.1	E.	.15	..	1.0	Cu., hazy, Cu s, *SSE.*
	15	27.1	771.80	30.251	64.	77.9	70.1	.612	66.2	83.	E.	.15	..	1.0	Cu., hazy, Cu-s., Ci-cu., *SSW.*
	16	27.3	771.65	30.244	64.2	77.3	70.8	.673	67.6	85.3	ESE.	.30	..	1.0	Cu., Cu-s., *W.*
	17	27.4	771.25	30.227	63.7	74.9	68.1	.607	64.5	85.3	SE.	.40	..	1.0	Cu., hazy, S., Cu-s.
	18	27.	771.40	30.236	60.	73.2	66.2	.564	62.3	86.1	SE.	80	..	1.0	Cu, hazy, S., Cu s., Ci-s.
	19	26.8	771.40	30.237	60.7	70.4	64.9	.551	61.6	89.5	SE.	.40	..	.5	Cu., (unbroken,) Cu-s, Ci.
	20	26.5	771.50	30.243	61.7	68.6	64.7	.567	62.4	93.7	SE.	.40	..	.2	S., Ci.
	21	26.1	771.00	30.224	61.5	66.5	64.	.569	62.5	97.	SSE.	.60	..	.6	S., hazy.
	22	25.9	770.80	30.217	61.6	65.6	63.5	.566	62.4	97.8	S.	.40	..	.65	S., hazy.
	23	25.5	770.55	30.208	61.5	64.9	62.9	.553	61.7	98.3	S.	.40	..	1.0	S, hazy.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
21	0	26.	770.30	30.196	59.3	64.1	62.3	.545	61.2	98.5	S.	.4	..	.6	Hazy, S., Ci.
	1	24.7	769.70	30.180	61.7	65.2	63.9	.580	63.1	98.8	S.	.4	..	?	?
	2	24.4	769 00	30.153	60.8	65.6	64.	.579	63.1	98.8	S.	.4	..	.6	Cu.
	3	24.2	768.50	30.135	60.4	64.9	63.4	.569	62.5	98.8	S.	.4	..	.1	Cu., Cu-s. in Hor.
	4	23.8	768.00	30.118	58.8	64.	62.5	.551	61.6	98.7	S.	.4	..	..	Cu-s. in Hor.
	5	23 8	767.85	30.112	61.	63.9	62.8	.562	62.2	99.	S.	.4	..	1.0	Heavy fog.
	6	23.4	767.95	30.119	61.8	64.9	63.	.557	61.9	98.5	S.	.4	..	1.0	Ci., S.
	7	23.2	767.95	30.119	62.	65.4	63.2	.557	61.9	98.5	SSW.	.4	..	1.0	Ci., S.
	8	23.5	768.00	30.120	63.	68.8	66.2	.613	64 8	96.	SSW.	.3	..	1.0	Ci., S., Cu.
	9	24.	767.45	30.096	65.5	71.7	68.1	.643	66.2	94.	SSW.	.4	..	1.0	Ci., hazy, Cu.
	10	24.5	766 80	30.069	67.2	73.3	69.7	.680	67.9	94.2	SSW.	.7	..	1.0	Ci., hazy, Cu.
	11	25.1	766.05	30.036	69.9	75.8	72.2	.741	70 6	94.3	SSW.	1.0	..	1.0	Ci-cu., hazy, Cu., *W.*
	12	25.6	765.40	30.007	71.5	78.3	74.3	.791	72.6	93.7	SSW.	.9	..	1.0	Ci-cu., hazy, Cu., *W.*
	13	26.3	764.75	29.979	71.7	80.1	75.2	.806	73.2	92.3	SSW.	1.3	..	1.0	Ci-cu., hazy, Cu., *W.*
	14	27.	764 00	29.946	73.	81.7	76.3	.831	74.1	91.7	SSW.	1.2	..	1.0	Cu s., hazy, Cu., *WNW.*
	15	27.5	763.05	29.905	73.8	82.4	77.	.851	74.9	91.7	SSW.	1.5	..	1.0	Cu s., hazy, Cu., *WNW.*
	16	28.2	762.95	29.900	74.	82.5	77.1	.854	75.	91.7	SSW.	1.8	..	1.0	Ci-cu., hazy, Cu., *WNW.*
	17	29.	762.45	29.875	71.8	81.5	76.8	.853	75.	93.7	SSW.	1.4	..	1.0	S., hazy, Ci-s.
	18	29.5	762.20	29.863	70.5	79.5	75.9	.839	74.4	90.5	SW.	1.4	..	1.0	S., hazy, Ci-s.
	19	28.1	761.70	29.851	71.8	78.5	75.2	.824	73.9	96.7	SW.	.5	..	1.0	S., hazy.
	20	28.3	761.30	29 833	72.3	77.5	75.	.827	74.	97.5	SW.	.5	..	..	Clear.
	21	28.1	761.50	29.843	72.4	76.7	74.2	.805	73.2	98.	SW.	.5	..	..	Clear.
	22	28.2	761.40	29.841	72.9	76.	73.6	.790	72.6	98.5	SW.	.5	..	..	S. in Hor.
	23	28.	761.00	29.823	71.9	75.1	73.	.778	72.1	98.3	SW.	.5	..	.05	S.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
22	0	27.6	760.50	29.806	70.1	74.	72.	.753	71.1	98.3	SW.	.5	..	.03	S.
	1	27.2	760.40	29.803	69.4	72.7	71.	.732	70.2	98.4	SW.	.4	..	..	Clear.
	2	26.9	760.25	29.799	69.	72.3	70.4	.715	69.5	98.4	SW.	.4	..	..	Cu.
	3	26.7	760.90	29.826	68.2	71.1	69.5	.697	68.7	98.4	SW.	.4	..	..	Cu.
	4	26.4	761.25	29.841	66.4	71.	68.5	.665	67.3	97.5	WNW.	.3	..	.6	Cu.
	5	26.2	762.15	29.877	66.	71.5	68.7	.666	67.3	96.8	WNW.	.3	..	1.0	S., Cu., Ci-cu.
	6	26.4	763.10	29.913	64.8	72.1	67.5	.619	65.1	92.	WNW.	.3	..	.7	S., Cu., Cu-s.
	7	25.9	763.65	29.937	61.8	71.8	66.	.573	62 7	88.7	NNW.	.4	..	.5	S., Cu., Ci cu., Ci.
	8	26.	764.70	29.978	58.6	70.8	63.5	.506	59.	85.4	N.	1.6	..	1.0	S., Cu , Cu-s., Ci.
	9	26.	764.95	29.987	58.	70.8	64.	.521	59.9	85.7	N.	1.5	..	1.0	Ci , Cu., Ci-cu., *NNW.*
	10	25.9	764.95	29.988	57.6	70.2	63 5	.513	59.4	85.6	NNE.	1.4	..	1.0	Ci., Cu., Ci cu., Cu s , *N.*
	11	25.4	764.95	29.991	56.	69.5	62.3	.484	57.7	84.2	N.	.9	..	.8	Ci., Cu., S., Ci s , *N.*
	12	25.5	764.80	29.984	57.3	70.5	63.2	.500	58.6	83.9	NNE.	.9	..	1.0	Ci-cu., Ci., Cu., S., Ci-s.
	13	25.2	764.50	29.974	55.8	70.3	62.3	.475	57.1	82.2	N.	.8	..	.7	Ci cu , Ci , Cu., S., Ci s., *N.*
	14	24.1	764.25	29.969	55.7	70.8	62.5	.475	57.1	81.2	NNE.	.65	..	1.0	Ci cu., Ci , Cu , S., Ci s.
	15	24.2	764.10	29.963	54.1	71.1	61.9	.454	55.8	79 8	NNE.	.7	..	.9	Cu , S., Ci-s.
	16	25 3	761.25	29.964	52.	70.4	60 6	.424	53.7	78.2	NE.	.65	..	.85	Ci., Cu., S., Ci-s
	17	26.	764.50	29.970	51.8	69.5	61.2	.451	55.6	79.4	ENE.	.45	..	1.0	Hazy, Cu., Cu s., S., Ci., Ci-cu., Ci s.
	18	25.4	764.65	29.980	49.8	66.4	59.4	.435	54.5	83.4	ENE.	.35	..	1 0	Hazy, S., Ci cu., Ci-s.
	19	24.4	764.50	29.978	49.8	64.	57.4	.406	52.4	81.8	S.	.3	..	1.0	Hazy, S., Ci cu.
	20	24.1	765.10	30.002	48.1	63.1	55.5	.365	49.3	81.2	S.	.3	..	1.0	Hazy, S.
	21	24.7	765.10	30.000	48 4	61.	56.4	.413	52.9	86.3	S.	.3	..	1.0	Hazy, S.
	22	23.6	765.00	30.001	49.8	59.6	54.8	.385	50.9	85.9	E.	.3	..	.4	Hazy, S., Ci.
	23	23.3	764.75	29.993	51.4	58.4	54.7	.397	51 8	90.7	E.	.4	..	.5	Hazy, S., light Ci.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
23	0	22.6	764.70	29.995	53.1	57.5	54.8	.409	52.7	93.	E.	.40	..	.3	S., Ci.
	1	22.	764.25	29.980	53.	57.4	55.3	.424	53.7	96.	E.	.30	..	.5	Cu.
	2	21.5	764.00	29.973	52.8	56.6	55.	.424	53.7	97.	E.	.30	..	.8	S., Cu., Cu-s.
	3	21.3	764.00	29.973	53.	58.4	56.4	.442	55.	97.	E.	.30	..	1.0	Cu-s.
	4	21.	763.90	29.970	53.2	59.3	56.6	.438	54.7	95.	E.	.30	..	1.0	Cu-s.
	5	21.2	764.05	29.975	53.7	59.7	56.7	.435	54.5	95.2	E.	.35	..	1.0	Cu., S.
	6	21.	764.30	29.986	54.4	59.7	57.5	.456	55 9	96.7	E.	.20	..	1.0	Cu., Cu s., S.
	7	21.2	764.85	29.908	54.	60.6	57.8	.455	55.8	94.7	E.	.10	..	1.0	Cu., Cu-s., S.
	8	20.7	765.00	30.015	....	61.2	56.9	.424	53.7	90.6	E.	.10	..	1.0	Cu., Cu-s., S.
	9	20.8	765.00	30.014	55.	64.5	60.6	.476	57.2	90.2	E.	.10	..	1.0	Cu-s., S.
	10	20.8	764.95	30.012	54.5	66.2	60.9	.480	57.4	87.1	E.	.05	..	1.0	Cu-s., S.
	11	21.4	764.30	30.085	57.3	69.4	63.8	.530	60.4	86.8	SE.	.10	..	1.0	Hazy, Cu-s., S., Ci-cu., *W.*
	12	22.2	764.00	29.968	59.	71.	65.	.550	61.5	87.2	SSW.	.70	..	1.0	Hazy, Cu., Cu-s., Ci-cu.
	13	22.5	763.50	29.947	61.	72.1	66.2	.576	62.9	87.9	SSW.	1.00	..	1.0	Hazy, Cu.
	14	23.4	762.85	29.918	63.5	73.7	68.1	.621	65.2	88.5	SW.	.90	..	1.0	Hazy, Cu.
	15	24.	762.53	29.903	64.3	74.6	69.	.642	66.2	89.2	SSW.	.90	..	1.0	Hazy, Cu.
	16	25.	762.55	29.898	65.5	75.1	69.8	.664	67.2	90.8	SSW.	1.30	..	1.0	Hazy, Cu.
	17	25.	762.55	29.898	66.3	73.4	69.1	.659	67.	93.6	SSW.	1.25	..	1.0	Hazy, Cu.
	18	24.6	762.45	29.896	66.7	72.4	69.	.667	67.4	95.9	SSW.	.80	..	1.0	Hazy, Cu.
	19	24.6	762.45	29.896	66 9	72.3	69.	.668	67.4	97.	SW.	.80	..	1.0	S., Cu-s.
	20	24.	762.55	29.903	66.8	72.5	69.3	.676	67.8	96.3	SW.	.80	..	1.0	S., Cu s.
	21	24.7	762.75	29.908	66.6	72.5	69.5	.682	68.	97.4	SW.	.70	..	1.0	S., Cu-s.
	22	24.7	762.65	29.904	67.5	72.4	69.7	.690	68.4	97.7	SW.	.50	..	1.0	S., Cu s.
	23	24.7	762.55	29.900	67.8	72.2	69.7	.693	68.6	97.7	SW.	.50	..	1.0	S., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
25	0	26.6	760.80	29.823	68.6	71.6	70.4	.723	69.8	97.8	WSW.	..	..	..	Clear.
	1	26.7	760.95	29.828	68.4	71.5	69.9	.707	69.1	98.	WSW.	..	..	..	Clear.
	2	26.4	760.75	29.822	67.8	71.3	69.7	.702	68.9	98.	WSW.	..	..	..	Clear.
	3	26.1	760.60	29.817	67.2	70.5	69.	.688	68.3	98.	WSW.	..	..	..	Cu-s. in Hor.
	4	25 8	760.40	29.810	66.8	69.7	68.2	.670	67.5	98.5	WSW.	..	..	..	Cu. in Hor.
	5	25.7	760.55	29.817	66.5	69.4	67.9	.663	67.2	98.8	WSW.	..	..	..	Clear.
	6	25.3	760.60	29.821	66.	69.2	67.7	.658	66.9	97.8	WSW.	..	..	..	Clear.
	7	25.2	760.80	29.829	67.8	70.9	69.3	.693	68.5	98.2	SW.	..	..	1.0	S., Hazy.
	8	25.6	760.70	29.823	69.1	74 5	71.5	.730	70.1	94.3	SW.	..	..	1.0	S., Ci cu., Hazy, Ci.
	9	26.2	760.70	29.821	68.3	79.	72.8	.728	70.	88.5	SW.	.10	..	.2	Ci-cu., Ci-s.
	10	26.6	760.40	29.806	69.5	80.9	74.2	.758	71.3	87.9	SW.	.30	..	1.0	Hazy, Ci cu., Ci-s.
	11	27.3	760.30	29.799	70.5	82.7	74.7	.758	71.3	86.	SW.	.45	..	1.0	Hazy, Cu., Ci-cu.
	12	28.9	760.10	29.783	71.8	83.8	75.7	.784	72.3	84.7	WSW.	.65	..	1.0	Hazy, Cu., Ci-cu., *WNW.*
	13	28.9	759.50	29.759	71.5	85.	76.3	.794	72.7	83.2	WSW.	.80	..	1.0	Hazy, Cu., Ci-cu., *W.*
	14	29.9	759.00	29.736	72.4	85.7	76.8	.807	73.2	82.7	WSW.	1.20	..	1.0	Hazy, Cu., Ci-cu., *W.*
	15	30.5	758.35	29.706	72.6	85.7	77.	.814	73.5	83.	WSW.	.60	..	1.0	Hazy, Cu., Ci-cu., *W.*
	16	30.4	757.95	29.691	73.7	85.	77.5	.842	74.6	87.	SW.	1.40	..	1.0	Hazy, S., Cu., Cu-s., Ci-cu.
	17	30.3	757.35	29 668	73.2	83.4	76.4	.815	73.5	88.	SSW.	1.40	..	1.0	Hazy, S., Cu., Cu-s , Ci-cu.
	18	30.	757.40	29.673	71.9	82.3	75.3	.785	72.4	?	SSW.	1.20	..	1.0	Hazy, S., Cu., Cu-s., Ci cu.
	19	29.2	757.45	29 678	70.2	80.	74.3	.762	71.5	91.5	SW.	.80	..	1.0	Hazy, S., Cu., Cu s.
	20	29.3	757.40	29.676	70.8	78.8	74.	.768	71.7	93.1	SW.	.40	..	.8	Cu., Cu-s., N.
	21	28.6	757.40	29.679	67.	74.2	70.1	.684	68.1	95.7	SW.	3.00	..	?	Cu., Cu-s., N.
	22	28.7	757.95	29.701	68.3	74.8	70.5	.692	68.5	95.4	WSW.	.40	..	1.0	Cu., Cu-s.
	23	28.4	757.30	29.676	68.8	74.	71.5	.736	70.4	96.9	W.	.60	..	1.0	Cu., Cu-s., S.

17*h*. 32*m*., thunder; 18*h*. 31*m*., lightning; 20*h*. 14*m*., brilliant flash of lightning. Clouds low from NW.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
26	0	27.9	757.50	29.687	67.5	73.1	70.3	.703	69.	97.6	SW.	.50	.007	1.0	Hazy, Cu-s., Cu.
	1	27.3	757.45	29.687	66.8	72.1	69.1	.673	67.6	97.2	SW.	.45	..	1.0	Hazy, Cu-s., S., Cu.
	2	26.7	757.30	29.684	66.	71.	68.5	.665	67.3	97.2	WSW.	.40	..	.5	Cu.
	3	26.4	757.00	29.674	66.	70.5	68.	.654	66.8	97.2	WSW.	.40	..	.85	Cu-s., Cu.
	4	26.2	756.90	29.671	66.2	70.5	68.5	.670	67.5	97.4	WSW.	.40	..	.75	Cu s., Cu.
	5	26.	757.00	29.675	66.2	70.8	68.3	.661	67.1	96.8	SW.	.40	..	1.0	S., Cu s., Cu.
	6	26.4	757.25	29.684	65.2	71.	67.5	.631	65.7	96.9	WSW.	.40	..	.9	S., Cu-s.,
	7	25.5	757.55	29 699	67.	72.2	69.6	.688	68.3	96.9	WSW.	.40	..	1.0	S., Cu-s., Ci-cu., Cu.
	8	25.6	757.90	29.713	68.	72.7	69.5	.680	67.9	96.5	W.	.40	.005	1.0	N., Cu-s., Cu.; 7*h.* 28*m.*, began to rain.
	9	25.5	758.50	29.736	65.5	69.4	66.5	.616	64.9	96.	NW.	.30	..	1.0	N., raining, S.
	10	24.2	758.00	29.723	62.	67.5	64.5	.574	62.8	97.	N.	.10	.020	1.0	Cu-s., N., raining, S., *ENE.*
	11	24.7	758.55	29.743	62.	67.4	64.5	.575	62.8	96.8	NNE.	.10	.005	1.0	Cu-s., S., *ENE.*; 11*h.* 25*m.*, recom-
	12	24.5	758.05	29.724	62.	65.2	63.4	.566	62.4	98.2	N.	.50	.012	1.0	Cu-s., N., raining, S. [menced raining.
	13	24.2	758.00	29.723	58.3	63.1	60.9	.515	59.4	98.	NNE.	1.10	.012	1.0	Cu-s., N., raining, S., *ENE.*
	14	23.7	757.55	29.709	56.8	61.3	59.2	.486	57.8	98.	N.	.90	.020	1.0	N., raining, S.
	15	23.3	758.85	29.761	57.	59.5	58.3	.481	57.5	99.1	N.	.80	.170	1.0	N., raining; 15*h.* 21*m.*, heavy thunder.
	16	22.6	758.80	29.763	56.1	57.3	56.7	.462	56.3	99.5	N.	1.50	.420	1.0	N., raining; 15*h.* 26*m.*, heavy thunder
	17	22.2	758.20	29.740	56.4	58.	57.	.462	56.3	99.4	ENE.	.60	.040	1.0	N., raining. [and lightning.
	18	21.7	758.20	29.743	55.8	57.5	56.5	.454	55.8	99.2	NNE.	.70	.045	1.0	N., raining.
	19	21.1	757.75	29.729	55.7	57.1	56.1	.448	55.5	99.2	NE.	1.00	.045	1.0	N., raining, Cu.
	20	20.6	759.35	29.793	52.8	56.8	55.5	.435	54.5	98.5	NNE.	1.50	.010	1.0	N., raining, Cu.
	21	20.5	760.35	29.833	50.7	54.3	53.	.399	51.9	98.	N.	1.40	.023	1.0	N., raining.
	22	20.2	761.30	29.872	52.9	52.8	51.7	.384	50.8	98.4	N.	1.70	.020	1.0	N., raining.
	23	19.8	761.70	29.891	47.8	51.6	49.5	.344	47.6	97.9	N.	1.60	.030	1.0	N., raining.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
27	0	19.	761.60	29.890	48.4	50.7	49.	.342	47.4	96.9	N.	1.2	.02	1.00	N.
	1	18.4	762.10	29.912	46.	50.6	48.	.320	45.5	93.6	N.	1 3	..	.95	S., hazy.
	2	17.8	762.40	29.927	42.8	49.7	46.5	.295	43.2	91.4	N.	1.6	..	1.00	S., Cu-s.
	3	17.3	763.00	29.952	41.8	49.	45.1	.279	41.5	89.8	N.	1.6	..	1.00	S., Cu.
	4	16.9	763.45	29.972	40.6	48.6	45.2	.279	41.5	90.	N·	1.7	..	1.00	S., Cu-s., Cu.
	5	16.7	763.70	29.983	40.8	48.2	44.6	.270	40.6	88.8	N.	.8	..	1.00	S., Cu-s., Cu.
	6	16.2	764.00	29.998	40.	47.2	43.2	.250	38.4	86.8	NNW.	1.0	..	1.00	S., Cu-s.
	7	15.8	764.40	30.015	36.5	46.5	41.6	.225	35.4	84.7	NNW.	1.8	..	1.00	Cu-s., Cu.
	8	15.4	765.00	30.041	37.3	47.	42.1	.229	35.9	83.4	NNW.	2 0	..	.80	S., Ci-cu., Cu.
	9	15.4	765.40	30.057	36.4	48.5	43.1	.234	36.5	81.4	NNW.	1.7	..	.90	Ci cu., Cu., Cu s.
	10	15.5	765.50	30.060	37.7	50.6	45.1	.254	38.8	80.3	NNW.	1.0	..	.75	Ci-cu., Cu., Cu s.
	11	15.8	765.40	30.054	39.	51.7	45.7	.255	38.9	78.8	NNW.	1.1	..	.85	Ci-cu., Cu.
	12	16.	765.50	30.058	38.1	52.	45.4	.245	37.8	77.8	NNW.	.9	..	.75	Cu.
	13	16.3	765.60	30.060	40.2	53.7	46.1	.242	37.5	76.3	NNW.	1.0	..	.70	Ci-cu., Cu.
	14	16.8	765.65	30.060	40.5	54.7	47.2	.255	38.9	74.9	NNW.	1.2	..	.70	Ci-cu., Cu.
	*15	17.1	766.00	30 072	39.	54.3	46.7	.248	38.2	74.8	NW.	1.3	..	.10	Ci-cu., Cu.
	16	17.3	766.00	30.071	39.2	54.3	47.	.255	38.9	75.	NNW.	1.4	..	.05	Cu.
	17	17.6	766.15	30.076	40.2	53.3	45.6	.233	36.4	74.2	NNW.	1.0	..	1.00	Hazy, Cu.
	18	16.9	766.30	30.085	40.6	50.5	44.5	.241	37.3	77.	NNW.	.6	..	1.00	Hazy.
	19	16.3	766.65	30.102	38.	48.5	42.2	.213	33.8	78.3	NNW.	.6	..	..	Clear.
	20	16.1	767.20	30.124	36.9	46.6	42.7	.246	37.9	81.6	NNW.	.6	..	..	Clear.
	21	16.	767.35	30.131	36.7	45.7	41.5	.231	36.2	81.9	NNW.	.5	..	..	Clear.
	22	15.6	767.65	30.144	36.8	44.8	41.1	.233	36.4	84.1	N.	.45	..	..	Clear.
	23	14.8	767.50	30.143	36.1	42.5	39.7	.230	36.1	89.2	N.	.45	..	..	Clear.

* Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
28	0	14.	767.55	30.149	36.5	40.3	38.7	.235	36.6	95.	N.	..	..	..	Clear.
	1	13.8	767.40	30.143	35.8	39.8	38.4	.234	36.5	96.4	N.	.40	..	..	Clear.
	2	13.3	767.30	30.141	36.	39.7	38.1	.229	35.9	95.3	N.	.40	..	..	Clear.
	3	12.8	767.40	30.148	36.2	39.5	37.8	.226	35.6	94.2	N.	.40	..	..	Clear.
	4	12.3	767.45	30.153	35.9	39.2	37.5	.223	35.2	93.3	N.	.40	..	..	Clear.
	5	12.	767.80	30.168	35.	37.8	36.4	.217	34.4	95.6	N.	.45	..	1.0	Hazy, S., Cu.
	6	11.5	768.10	30.183	34.7	37.7	36.1	.212	33.8	95.8	N.	..	..	1.0	Hazy, S.
	7	11.5	768.80	30.211	35.	41.	38.3	.218	34.5	93.2	N.	..	..	1.0	Ci., S.
	8	12.	768.80	30.208	36.	43.3	39.4	.215	34.2	86.3	N.	.30	..	1.0	Ci., S., Cu s.
	9	12.5	768.75	30.204	39.3	46.5	42.1	.234	36.5	83.3	N.	.20	..	.8	Ci., Ci s., Cu-s.
	10	13.1	768.35	30.185	40.2	49.5	44.3	.248	38.1	79.7	N.	.20	..	1.0	Ci., hazy, Ci-s., Cu-s.
	11	14.1	768.40	30.182	41.2	52.4	46.2	.257	39.2	76.3	N.	.10	..	1.0	Ci., hazy.
	12	14.9	767.90	30.157	42.	55.3	48.6	.280	41.6	75.	N.	.05	..	1.0	Ci., hazy.
	13	15.8	767.50	30.137	41.2	57.3	49.1	.269	40.5	74.2	NW.	.05	..	1.0	Ci., hazy.
	14	16.4	767.20	30.123	43.2	58.	50.7	.300	43.6	75.5	WSW.	.60	..	1.0	S., Cu s., Ci cu., *W.*
	15	16.8	767.00	30.113	44.6	58.3	51.5	.317	45.2	76.7	SSW.	.60	..	1.0	S., Ci-s., Cu-s., Ci-cu., *W.*
	16	17.1	766.95	30.110	44.3	58.4	51.4	.314	45.	76.3	SSW.	.50	..	1.0	S., Cu-s., Ci-cu.
	17	17.	767.00	30.112	45.6	56.	50.5	.318	45.3	79.4	SSW.	.40	..	1.0	S., Cu-s.
	18	16.7	767.25	30.123	46.2	54.1	49.8	.322	45.7	83.8	SW.	.20	..	1.0	S., Cu s.
	19	16.4	767.25	30.125	47.1	53.	49.5	.327	46.1	89.2	SW.	.15	..	1.0	S.
	20	16.4	767.10	30.119	45.8	52.4	48.6	.313	44.9	89.8	SW.	.15	..	1.0	S.
	21	16.4	767.10	30.119	44.7	51.7	48.5	.319	45.4	89.8	SW.	.15	..	1.0	S.
	22	16.	766.90	30.114	43.9	49.7	47.2	.311	44.7	93.	SW.	.15	..	.1	S., hazy, Ci.
	23	15.5	766.50	30.099	44.1	47.7	46.1	.309	44.5	96.7	SW.	.15	..	.1	S., hazy, Ci.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
29	0	15.1	766.30	30.094	42.1	46.7	45.2	.300	43.6	97.4	SW.	.15	..	.05	S
	1	15.1	766.30	30.094	45.3	49.	47.6	.328	46.2	97.1	SW.	.15	..	1.0	S., Cu-s.
	2	15.	765.80	30.074	47.4	50.5	48.6	.335	46.8	96.3	SW.	.20	..	.4	Cu., S., Cu s.
	3	14.6	765.90	30.080	45.	48.2	46.7	.316	45.1	96.8	SW.	.20	..	1.0	Ci-s., S., Cu s.
	4	14.3	765.70	30.073	45.8	50.4	48.5	.334	46.7	96.5	SW.	.20	..	.8	Cu.
	5	14.3	766.05	30.087	46.	50.2	48.3	.331	46.5	95.6	SW.	..	..	1.0	Cu., Cu s., SW.
	6	14.2	766.20	30.095	47.1	50.8	49.1	.343	47.5	95.8	SW.	..	..	1.0	Ci cu., Cu., Cu s.
	7	15.2	766.50	30.101	48.5	52.5	50.6	.360	48.9	94.8	SSW.	..	..	1.0	Cu., Cu s.
	8	15.4	766.50	30.101	49.4	51.4	51.8	.368	49.6	93.6	SSW.	..	..	1.0	S, Cu., Ci., Cu-s., Ci-cu.
	9	16.3	766.70	30.104	50.	58.	53.9	.380	50.5	90.6	SW.	..	..	1.0	S., hazy, Ci., Ci-cu.
	10	17.	766.70	30.101	50.2	59.5	54.6	.382	50.6	87.2	WNW.	.05	..	1.0	S., hazy, Ci., Cu.
	11	17.6	766.82	30.102	50.9	61.5	55.8	.391	51.4	81.7	WNW.	.05	..	1.0	S., hazy, Ci., Cu.
	12	18.7	766.85	30.099	48.8	63.3	55.8	.371	49.8	80.6	WNW.	.25	..	1.0	S., hazy, Ci-cu., Cu.
	13	19.1	766.20	30.070	48.	64.1	55.8	.362	49.1	79.4	WNW.	.35	..	1.0	S., Ci., hazy, Ci-cu., Cu.
	14	20.	765.80	30.050	47.7	65.2	56.1	.357	48.7	77.1	WNW.	.70	..	1.0	S., Ci., hazy, Ci-cu., Cu.
	15	20.2	765.75	30.047	48.2	65.5	56.8	.372	49.9	77.	WNW.	.45	..	1.0	S., Ci., hazy, Ci-cu., Cu.
	16	21.	766.10	30.057	47.8	65.5	56.1	.354	48.5	76.	WNW.	.30	..	1.0	S., Ci., hazy, Ci-cu., Cu.
	17	21.2	766.25	30.063	49.6	64.3	56.9	.388	51.1	78.9	WNW.	.40	..	1.0	S., Ci., hazy, Ci-s., Cu.
	18	20.9	766.55	30.076	48.2	61.	54.7	.366	49.4	81.5	W.	.30	..	1.0	S., Ci., hazy, Ci-s., Cu., Ci-cu.
	19	20.4	766.70	30.085	50.8	58.5	53.	.351	48.2	83.2	W.	.10	..	1.0	S., Ci., hazy, Ci s.
	20	19.9	766.90	30.094	48.5	56.7	52.2	.351	48.2	84.6	W.	.06	..	1.0	S., Ci., hazy, Ci s.
	21	19.9	766.95	30.095	46.	54.5	50.5	.334	46.8	89.3	WNW.	..	..	1.0	Ci., Ci-s.
	22	19.8	767.05	30.101	46.	54.5	50.5	.334	46.8	90.9	WNW.	..	..	1.0	Hazy.
	23	19.1	767.30	30.113	45.9	52.5	49.5	.335	46.9	93.9	WNW.	..	..	1.0	S., Ci., hazy.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., degrees.	Force, lbs.			
30	0	18.4	767.20	30.113	45.9	51.2	48.8	.331	46.5	95.2	WNW.	..	..	.60	Hazy, S.
	1	18.	767.35	30.121	47.	50.1	48.1	.327	46.1	96.1	WNW.	..	..	.05	Cu. in Hor.
	2	17.4	767.00	30.109	45.2	49.5	47.5	.320	45.5	97.2	WNW.	..	..	.05	Cu. in Hor.
	3	17.	767.05	30.114	45.	49.	47.1	.316	45.1	97.3	WNW.	..	..	.05	Cu. in Hor.
	4	16.5	767.15	30.121	44.7	48.6	46.8	.314	45.	98.	WNW.	..	..	.20	Ci., Ci s.
	5	16.2	767.25	30.126	44.7	47.8	46.4	.314	45.	98.8	WNW.	..	..	1.00	Ci., S.
	6	15.9	767.35	30.131	44.2	47.2	46.	.312	44.8	98.9	NW.	..	..	1.00	Ci., S.
	7	15.6	767.50	30.138	45.	49.7	48.	.330	46.4	97.6	NNW.	..	..	1.00	Ci., S.
	8	15.6	767.75	30.148	45.9	52.1	49.5	.337	47.	95.4	NNW.	.10	..	1.00	Ci., Ci-cu., S.
	9	16.2	767.45	30.134	49.7	56.1	52.6	.369	49.6	90.	NNW.	.10	..	1.00	Hazy, S., Ci-s.
	10	16.3	767.15	30.121	49.6	58.6	53.9	.373	50.	86.2	NNW.	.05	..	1.00	Hazy, S., Ci-s., *W.*
	11	16.7	767.10	30.117	49 8	60.8	54 6	.368	49.6	80.9	NNW.	.05	..	1.00	Hazy, S , Ci-s., *W.*
	12	17.2	766.90	30.107	47.	62.5	54.5	.345	47.7	76.2	NNW.	.05	..	1.00	Hazy, S., *W.*
	13	17.7	766.60	30.093	48.	63.5	56.1	.376	50.2	76.9	N.	.15	..	1.00	Hazy, S., Ci-s., *W.*
	14	18.2	766.00	30.066	45.8	64.	55.	.341	47.4	72.7	NE.	.10	..	1.00	Hazy, S., Ci-s., *W.*
	15	18.6	765.45	30.043	50.	63.5	56.5	.387	51.1	78.2	E.	.20	..	1.00	Hazy, Ci-cu., S., Ci-s.
	16	19.	765.30	30.035	51.	62.9	56.4	.391	51.4	80.	ESE.	.15	..	1.00	Hazy, Cu-s., Ci cu., S., Ci s., *W.*
	17	19.	765.30	30.035	50.2	61.5	56.8	.416	53.2	84.2	E.	.10	..	1.00	Hazy, Cu-s., Ci cu., S.
	18	18.8	764.85	30.019	49.6	60.	56.	.412	52.9	88.6	SSE.	.10	..	1.00	Hazy, Cu-s., S., Ci-s.
	19	18.6	764.60	30.010	50.2	59.1	55.	.395	51.6	89.2	SSE.	.10	..	1.00	Ci., Ci-cu., S., Ci-s.
	20	18.	764.55	30.011	51.4	58.5	55.3	.411	52.8	●?	SSE.	.18	..	1.00	S.
	21	18.2	764.75	30.017	52.	58.1	55.1	.410	52.7	94.1	SSE.	.15	..	1.00	Ci-cu., S.
	22	18.2	764.60	30.011	52.	58.2	55.4	.416	53.2	94.3	SSE.	.10	..	1.00	S.; 22*h.* 30*m.*, commenced slight rain.
	23	18.3	764.40	30.003	52.4	58.3	55.8	.427	53.9	95.8	SSE.	.13	..	1.00	N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
2	0	20.7	755.20	29.632	*65.7	67.7	67.1	.654	66.8	96.8	NNW.	.60	..	1.0	N., slight rain. [raining.
	1	20.9	755.25	29.633	*66.	67.9	67.4	.663	67.2	97.2	NNW.	.50	..	1.0	Hazy, Cu., S.; 1h. 55m., commenced
	2	20.5	755.00	29.624	*66.3	67.	66.5	.643	66.2	97.2	NNW.	.45	..	1.0	Hazy, Cu.
	3	20.5	754.90	29.621	*66.1	66.3	66.	.635	65.9	97.1	NNW.	.45	..	1.0	Hazy.
	4	20.3	755.25	29.636	*64.	65 1	64.5	.600	64.1	97.1	NW.	.45	.01	1.0	Hazy, Cu.
	5	20.3	755.40	29.642	63.6	64.7	64.2	.596	63.9	96.9	NW.	'	..	1.0	Cu-s., Ci cu., S.
	6	20.3	755.70	29.652	60.4	61.5	61.	.536	60.7	96.9	NW.	.20	..	1.0	Cu-s., Cu., S.
	7	20.2	756.15	29.669	60.4	61.8	61.2	.537	60.8	97.	NW.	.20	..	.2	Cu-s., Cu.
	8	20.6	756 35	29.675	58.8	64.8	61.2	.504	58.9	90.6	WNW.	..	..	..	Cu s., Cu. in Hor.
	9	21.	756.35	29.674	58.	67.3	61.6	.489	58.	84.7	W.	.15	..	1.0	Hazy, Cu.
	10	21.2	756.15	29.665	56.1	69.6	61.1	.449	55.4	78.	W.	.80	..	1.0	Hazy, Cu.
	11	21.6	755.80	29.649	55.3	71.	61.1	.434	54.4	75.9	W.	1.40	..	1.0	Hazy, Cu.
	12	22.2	755.65	29.640	55.	72.	61.4	.431	54.2	73.7	W.	2.00	..	1.0	Hazy, Cu.
	13	22.4	755.20	29.621	54.5	72.1	61.	.419	53.4	71.9	W.	2.00	..	1.0	Hazy, Cu., W.
	14	22.7	755.10	29.618	54.3	72.4	61.2	.421	53.5	71.8	W.	2.10	..	1.0	Hazy, Cu., W.
	15	23.	754 95	29.611	53.7	72.5	60.8	.408	52.6	71.4	W.	2 30	..	1.0	Hazy, Cu., W.
	16	23.2	754.75	29.602	54.	72.1	60.8	.413	53.	71.5	W.	1.50	..	1.0	Hazy, Cu., W.
	17	23.4	754.75	29.602	50.	69.7	58.3	.368	49.6	72.4	W.	.90	..	1.0	Hazy.
	18	23.1	754.75	29.604	51.3	65.1	58.2	.417	53.2	75.6	W.	.40	..	1.0	Hazy.
	19	22.5	754.95	29.614	52.4	62.5	57.1	.416	53.2	81.6	W.	.30	..	1.0	Hazy.
	20	22.1	755.15	29.622	49.2	62.2	56.1	.392	51.4	81.3	W.	.30	..	..	Clear.
	21	21.8	755.15	29.625	48.8	62 2	55.6	.378	50.4	....	W.	.30	..	..	Clear.
	22	21.8	755.15	29.625	49.3	60.1	55.3	.394	51.6	81.7	W.	.30	..	..	Clear.
	23	21.1	754.80	29.615	48.1	60.	54.1	.364	49.3	81.9	WSW.	.30	..	.02	Cu., Cu-s.

* Recorded 55.7, &c.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir. points.	Force, lbs.			
3	0	20.7	754.60	29.609	48.5	58.5	54.2	.384	50.8	86.3	WSW.	.40	..	.50	Cu., Cu-s., Ci-cu.
	1	20.3	754.50	29.607	48.3	60.	53.9	.359	48.8	84.2	W.	.45	..	.50	Cu., Cu-s., Ci-cu.
	2	19.8	754.55	29.612	49.	59.	54.6	.389	51.2	85.	W.	.35	..	1.00	Cu., hazy.
	3	19.4	753.90	29.586	48.1	57.6	53.5	.376	50.2	85.1	W.	.30	..	1.00	Cu., hazy, Cu-s.
	4	19.1	754.00	29.592	47.	57.1	53.5	.381	50.6	88.8	W.	.30	..	.70	Cu., Cu s.
	5	18.8	753.90	29.589	49.8	55.7	52.6	.374	50.	91.7	WSW.	..	..	.90	Cu., S., Ci-cu.
	6	18.9	754.35	29.607	48.	55.8	52.1	.360	48.9	89.7	SW.	.30	..	.50	Cu-s., S, Ci-cu.
	7	18.3	754.40	29.612	48.	54.7	51.7	.363	49.2	91.9	SW.	.20	..	1.00	Cu., Cu-s., hazy.
	8	18.4	754.40	29.612	49.5	56.	53.	.359	48.8	88.3	WSW.	.20	..	1.00	Cu., Cu-s., hazy.
	9	19.	754.05	29.595	49.	60.7	54.1	.356	48.6	83.9	WSW.	.60	..	1.00	Cu., Cu-s., hazy.
	10	18.8	753.55	29.575	43.8	61.	51.7	.294	43.	76.5	W.	2.00	..	.80	Cu.
	11	19.1	753.35	29.564	44.	61.2	51.2	.279	41.5	72.9	W.	3.10	..	.80	Cu., *W.*
	12	19.2	753.15	29.558	45.8	62.5	52.7	.301	43.7	72.8	W.	*3.50	..	.60	Cu., *W.*
	13	19.3	752.95	29.549	43.9	61.4	51.2	.277	41.3	72.4	W.	3.00	..	.95	Cu., Cu-s., *W.*; 13*h.* 5*m.*, raining.
	14	19.2	752.95	29.550	44.	61.3	51.3	.280	41.6	72.9	WNW.	3.00	..	.90	Cu., *W.*
	15	19.2	752.75	29.543	43.9	61.4	51.2	.277	41.3	72.	W.	3.00	..	.30	Cu., *W.*
	16	19.5	752.80	29.543	42.6	61.6	50.7	.262	39.7	71.	W.	1.90	..	.35	Cu., *W.*
	17	19.	753.15	29.559	43.4	60.3	50.4	.270	40.6	72.1	W.	2.40	..	.45	Cu., Cu s.
	18	18.7	753.40	29.571	42.	57.6	49.7	.283	42.	74.3	W.	1.00	..	1.00	Ci-cu., hazy, Ci-cu., Cu-s., Ci-s.
	19	18.3	754.35	29.610	42.	54.3	48.2	.284	42.	80.2	WNW.	.90	..	1.00	Cu., hazy, Cu-s.
	20	17.8	754.80	29.630	43.3	54.	47.5	.271	40.7	81.3	NW.	.65	..	.75	Cu., Cu-s.; 20*h.* 30*m*, raining.
	21	17.5	754.85	29.634	....	53.9	47.6	.273	40.9	81.2	WNW.	1.25	..	.08	Cu., Cu-s.
	22	17.3	754.90	29.637	40.3	52.1	46.6	.270	40.6	82.8	WNW.	.60	..	.07	Cu., Ci.
	23	18.1	755.20	29.644	41.5	52.3	47.1	.280	45.5	84.1	WNW.	.60	..	.90	Cu.

* Has been as high this hour as 4.5.

DAILY METEOROLOGICAL OBSERVATIONS

Day.	Hour.	Barometer: Temperature, centigrade.	Barometer: Obs'd height, millimetres.	Barometer: Corr. height, inches.	Thermometers, Fah.: Dew point.	Thermometers, Fah.: Dry.	Thermometers, Fah.: Wet.	Force of vapour, inches.	Saturated deficiency.	Hygr.: Saturation.	Wind: Dir., points.	Wind: Force, lbs.	Rain, inches.	Sky: cumul., cirrhus.	Clouds, and direction of their motion.
4	0	20.0	756.76	29.661	41.7	50.6	46.8	3960	41.6	N7.1	W.	.00		.11	Clo., Clr.
	1	21.9	756.85	29.665	42.7	50.7	46.1	3976	41.9	N7.1	W.	.00		.10	Clo., Clr.
	2	23.4	756.85	29.664	41.7	49.1	46.9	3906	43.8	N9.0	W.	.00		.08	Clo.
	3	23.1	756.60	29.670	40.9	48.1	45.9	3865	43.9	N9.0	WNW.	.00			Clear.
	4	21.8	756.65	29.678	39.1	47.9	44.6	3770	44.6	N8.0	WNW.	.00			Clear.
	5	20.8	756.60	29.667	41.7	46.6	44.9	3874	41.6	N9.0	WNW.	.00		.00	Clo., hazy.
	6	19.9	757.00	29.704	41.4	45.8	43.4	3871	40.7	N9.3	WNW.	.00		.00	Clo.
	7	20.7	757.70	29.739	41.1	48.3	45.5	3978	41.4	N9.3	W.	.00		.00	Clo., hazy.
	8	21.7	757.95	29.734	43.7	51.6	46.6	3977	41.3	N7.0	WNW.	.00		.00	Clo., hazy, W.N.W.
	9	21.9	758.10	29.734	43.4	54.6	47.6	3905	40.1	N9.0	W.	1.00		.00	Clo., hazy, W.N.W.
	10	21.6	758.00	29.737	41.3	56.6	47.6	3808	38.7	N9.0	W.	4.00		.00	Clo., hazy, W.N.W.
	11	21.0	758.05	29.736	40.0	60.	47.6	3648	38.9	N7.1	W.	•11.00		.00	Clo., hazy, W.N.W.
	12	21.7	757.95	29.733	40.6	56.9	46.	3840	34.3	N6.2	WNW.	3.00		.00	Clo., Clr., W.N.W.
	13	21.4	757.80	29.718	40.	55.3	46.3	3840	33.8	N7.1	WNW.	3.00		.00	Clo., Clr., W.N.W.
	14	22.	757.65	29.721	39.8	54.7	46.1	3884	33.7	N7.1	WNW.	•4.00		.00	Clo., Clr., W.N.W.
	15	23.6	758.80	29.786	40.6	61.	47.6	3880	34.6	N7.8	WNW.	4.00		.00	Clo., Clr., W.N.W.
	16	22.8	758.80	29.766	41.6	57.6	46.6	3865	33.	N7.4	WNW.	3.00		.00	Clo., Clr., W.N.W.
	17	23.7	759.45	29.783	40.7	56.1	46.4	3864	33.0	N7.3	WNW.	3.00		.00	Clo., Clr., W.N.W.
	18	23.1	760.20	29.816	42.6	54.6	47.6	3905	33.0	N8.2	WNW.	1.00		.00	Clo., Clr.
	19	23.3	761.00	29.845	43.3	53.	47.0	3905	33.1	N8.3	WNW.	.00		.00	Clo., Clr.
	20	23.7	761.30	29.865	43.8	51.3	47.3	3908	33.0	N7.8	WNW.	.00		.00	Clo., low
	21	23.7	760.00	29.843	44.6	50.	46.6	3908	33.0	N8.3	WNW.	.00		.00	Clo.
	22	23.6	760.05	29.905	43.	47.7	45.	3864	33.1	N8.3	WNW.	.00		.00	Clo.
	23	23.5	760.05	29.914	41.3	44	43	3861	33.0	N4.7	WNW.	.00		.00	Clo.

* Has been in these two hours as high as 6.0.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
5	0	22.9	762.90	29.925	40.9	46.5	44.1	.278	41.4	95.3	W.	.3	..	.01	Cu s.
	1	23.3	763.50	29.943	38.1	47.8	44.8	.278	41.4	93.4	W.	.3	..	.07	Cu., Cu-s., S.
	2	23.5	763.70	29.950	38.2	47.8	44.9	.280	41.6	93.3	W.	.3	..	.04	Cu.
	3	23.	763.80	29.957	39.	46.	44.	.282	41.8	94.6	W.	.25	..	.03	Cu., Cu s.
	4	22.5	763.80	29.959	37.	45.6	43.5	.276	41.2	94.3	W.	.1	..	.1	Cu.
	5	21.5	764.15	29.979	40.	44.6	42.9	.273	40.9	97.7	W.	..	..	1.0	Hazy.
	6	21.8	764.85	30.005	40.	45.8	43.	.262	39.7	93.6	W.	..	..	1.0	Hazy.
	7	21.9	765.40	30.025	41.5	48.1	44.7	.273	40.9	91.8	W.	.1	..	1.0	Hazy.
	8	22.3	765.75	30.037	44.4	52.5	47.7	.291	42.7	87.9	W.	.2	..	1.0	Hazy.
	9	22.	765.90	30.045	45.2	56.	49.6	.296	43.2	83.2	WNW.	.2	..	1.0	Hazy.
	10	21.2	765.80	30.045	42.	56.8	48.	.250	38.4	75.6	WNW.	1.0	..	1.0	Cu , hazy.
	11	21.2	765.55	30 035	41.7	58.1	48.5	.247	38.1	73.	WNW.	1.2	..	1.0	Cu., hazy.
	12	20.7	765.10	30.019	43.6	60.	51.1	.288	42.5	74.2	WNW.	1.2	..	1.0	Cu., hazy.
	13	21.3	764.65	29.999	44.4	61.	52.	.299	43.5	75.2	W.	1.3	..	1.0	Cu., hazy.
	14	21.2	764.15	29.980	44.7	62.8	53.	.304	44.	74.3	W.	1.5	..	1.0	Hazy.
	15	21.4	764.10	29.977	42.7	64.	52.5	.278	41.4	70.	WNW.	1.6	..	1 0	Cu., hazy.
	16	21.6	764.00	29.972	42.	64.1	52.2	.269	40.5	69.4	WNW.	1.2	..	1.0	Hazy.
	17	21.5	764.00	29.973	42.8	62.5	52.	.282	41.9	69.8	WNW.	.7	..	1.0	Hazy.
	18	21.	764.15	29.981	44.3	57.5	51.	.313	44.9	77.	WNW.	.4	..	1.0	Hazy, Ci-s.
	19	20.3	764.15	29.984	....	55.5	52.2	.365	49.3	81.2	WNW.	..	..	..	Clear.
	20	19.8	764.40	29.997	45.9	54 2	49.5	.314	45.	83.6	WNW.	.2	..	.5	Ci., Ci-s.
	21	19.8	764.50	30.001	43.9	53.7	49.	.308	44.4	83.7	WNW.	.2	..	1.0	Ci., hazy, S.
	22	19.	764.30	29.996	43.5	50.2	46.7	.294	43.1	85.7	WNW.	.2	..	1.0	Ci., hazy, halo.
	23	19.	763.90	29.980	44.3	50 8	47.1	.297	43.3	91.6	W.	..	..	1.0	S., hazy, Ci-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
6	0	18.	763.90	29.985	43.3	51.1	47.3	.297	43.3	90.7	W.	..	..	1.0	Hazy, S., Ci., Ci-s.
	1	18.4	763.85	29.981	44.	51.	47.	.292	42.9	90.5	W.	..	..	1.0	Hazy, S., Ci., Ci-s.
	2	17.	763.30	29.966	44.2	52.1	47.9	.300	43.6	91.7	W.	..	..	.7	Ci-cu., S., Ci., Ci-s.
	3	16.6	763.00	29.955	44.6	51.5	48.4	.319	45.4	93.	WSW.	..	..	.6	Cu-s., S., Ci., Ci s.
	4	16.2	762.85	29.953	42.2	48.1	46.1	.305	44.1	95.9	WSW.	..	..	.6	S., Ci.
	5	16.1	762.60	29.943	44.3	47.1	45.7	.306	44.2	99.2	WSW.	..	..	1.0	Ci-cu., S.
	6	15.7	762.65	29.947	44.	46.3	45.	.299	43.5	99.7	WSW.	..	..	.5	Ci-cu., S.
	7	15.7	762.90	29.957	45.5	47.7	46.6	.320	45.5	99.8	WSW.	..	..	1.0	Ci-cu., S., hazy.
	8	16.	762.75	29.959	49.7	53.7	51.4	.366	49.4	95.2	WSW.	..	..	1.0	S.
	9	16.3	763.00	29.957	52.1	58.5	54.7	.395	51.6	89.7	WSW.	..	..	1.0	Ci-s , hazy.
	10	16.9	762.75	29.945	55.8	62.2	58.3	.450	55.5	90.	WSW.	..	..	1.0	Ci-s., hazy.
	11	17.9	762.15	29.917	53.	64.3	58.3	.427	53.9	84.	SW.	.05	..	1.0	Ci-s., hazy.
	12	18.8	761.60	29.890	51.6	66.4	58.4	.406	52.4	78.2	SSW.	.10	..	1.0	Ci-s., Ci., S., hazy, *W.*
	13	19.3	760.80	29.858	52.	68.1	59.6	.421	53.5	76.5	SSW.	.20	..	1.0	Ci-s , Ci., S., hazy, *W.*
	14	20.2	760.50	29.841	52.9	68.9	60.5	.438	54.7	76.9	SW.	.20	..	1.0	Ci-s., Ci., S., hazy, *W.*
	15	21.3	760.10	29.820	51.8	69.5	60.8	.428	54.	77.	SW.	.35	..	1.0	Ci s., Ci., Ci-cu., hazy, *NNW.*
	16	21.2	759.70	29.805	54.6	68.1	61.	.461	56.2	80.	WSW.	.30	..	1.0	Ci s., Ci., Ci-cu., hazy, *NNW.*
	17	21.	759.70	29.804	55.5	67.5	60.7	.450	55.5	83.8	WSW.	.05	..	1.0	Ci-s., Ci., Ci-cu., hazy.
	18	21.	759.70	29.804	57.8	63.8	59.6	.469	56.7	89.5	WSW.	..	..	1.0	Ci-s., Ci., Ci-cu., hazy.
	19	20.7	759.55	29.801	58.	63.	58.1	.436	54.6	90.8	WSW.	..	..	1.0	Cu s., Ci cu.
	20	20.7	759.55	29.801	56.5	62.3	59.	.469	56.7	92.8	WSW.	..	.	1.0	Cu-s., Ci-cu.
	21	20.8	759.45	29.798	55.3	60.5	57.6	.451	55.6	94.4	WSW.	..	..	1.0	Ci., Ci-cu., Cu.
	22	20.4	759.40	29.797	56.1	59.8	57.5	.455	55.8	96.3	WSW.	..	..	1.0	Ci., hazy, Cu.
	23	20.1	759.20	29.792	55.3	59.3	57.5	.461	56.2	97.6	WSW.	..	..	.93	Cu s., hazy, Cu.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
7	0	19.9	758.50	29.762	56.5	58.8	57.6	.470	56.8	98.4	WSW.	..	..	1.0	S., Ci.
	1	19.5	758.40	29.762	53.	58.5	57.1	.459	56.1	98.3	WSW.	..	..	1.0	S., Cu., unbroken Ci.
	2	19.5	758.00	29.746	55.8	58.5	57.2	.461	56.2	98.4	WSW.	..	..	1.0	N.; 2*h.* 19*m.*, commenced raining.
	3	19.5	757.80	29.739	55.9	58.2	57.2	.465	56.5	98.7	WSW.	..	.050	1.0	N., raining.
	4	19.3	757.50	29.727	56.7	58.	57.1	.465	56.5	98.7	WSW.	..	.020	1.0	N., raining.
	5	19.3	757.35	29.721	56.8	58.4	57.6	.474	57.	98.8	WSW.	..	.020	1.0	N., raining.
	6	19.4	757.45	29.725	57.5	59.4	58.4	.485	57.7	97.8	WSW.	..	.040	1.0	N., raining.
	7	18.9	757.20	29.717	58.4	60.	59.1	.498	58.5	96.9	S.	.2	.080	1.0	N., raining.
	8	18.8	757.25	29.719	59.	60.5	59.8	.512	59.4	96.9	ESE.	.4	.050	1.0	N., raining.
	9	18.2	756.70	29.700	59.	61.1	60.1	.514	59.5	96.3	ESE.	.5	.050	1.0	N., raining, *ESE.*
	10	18.5	756.45	29.689	59.4	60.7	60.	.515	59.5	98.	ESE.	.65	.075	1.0	N., raining, *ESE.*
	11	18.7	755.95	29.669	60.	61.3	60.6	.526	60.2	98.	ESE.	.6	.070	1.0	N., *ESE.*; 11*h.* 20*m.*, ceased raining.
	12	18.7	755.20	29.640	60.2	62.	61.	.530	60.4	97.8	ESE.	.6	.005	1.0	N., *ESE.*
	13	18.8	754.95	29.630	60.8	62.4	61.5	.540	61.	97.9	E.	.6	..	1.0	N , S.; 13*h.* 40*m.*, commenced raining.
	14	18.9	754.70	29.621	61.8	63.1	62.4	.559	62.	98.	E.	.5	.010	1.0	N., raining.
	15	19.	754.40	29.609	62.6	63.9	63.2	.574	62.8	98.	E.	.5	.010	1.0	N., S.
	16	19.2	754.20	29.600	63.1	64.2	63.6	.582	63.2	98.	E.	.5	..	1.0	S.; 16*h.* 50*m.*, commenced raining.
	17	19.4	754.15	29.596	63.8	64.5	64.	592	63.7	97 8	E.	.65	..	1.0	N., S., raining.
	18	19.4	754.15	29.596	63.3	64.	63.5	.583	63.3	97.7	E.	.8	.015	1.0	N., raining.
	19	19.4	754.30	29.602	63.	63.4	62.8	.567	62.4	97.5	ENE.	1.2	.050	1.0	N., raining.
	20	19.4	754.55	29.612	61.2	62.1	61.6	.547	61.3	97.2	ENE.	1.2	.080	1.0	N., raining.
	21	19.4	754.55	29.612	59.2	61.	60.	.612	64.7	97.4	ENE.	2.0	.020	1.0	N.
	22	19.2	754.90	29.604	59.1	60.9	60.	.513	59.4	97.5	ENE.	2.0	..	1.0	N.
	23	19.2	753.70	29.580	59.5	61.3	60.4	.520	59.8	97.4	ENE.	1.0	.005	1.0	N., raining.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
9	0	15.2	757.30	29.739	....	47.5	42.6	.235	36.7	82.7	WNW.	1.80	..	..	Clear.
	1	15.1	757.00	29.728	36.	45.7	41.3	.228	35.7	83.	NW.	1.50	..	..	Clear.
	2	15.6	756.75	29.715	34.8	45.5	40.4	.211	33.6	83.8	NNW.	.80	..	.2	Cu-s. in Hor.
	3	14.2	757.00	29.733	36.7	42.5	39.5	.226	35.5	86.7	NNW.	.60	..	.2	Ci-s., Ci cu.
	4	13.7	766 50	29.715	35.5	41.4	38.7	.223	35.2	89.	NNW.	.60	..	〃	Ci-s., Ci., Ci-cu., S.
	5	13.3	756.35	29.710	35.8	40.	37.8	.220	34.8	92.8	NNW.	.50	..	.5	Cu s., Ci cu.
	6	14.2	757.80	29.765	36.	39.8	37.6	.218	34.5	97.7	NNW.	.25	..	1.0	Cu., Ci., Ci-cu.
	7	15.6	758.05	29.766	38.7	42.5	40.3	.242	37.5	95.	NW.	.25	..	1.0	Cu., Ci., Ci-cu., hazy.
	8	19.1	758.10	29.751	38.5	45.6	41.6	.235	36.6	86.9	NW.	.40	..	1.0	Cu., Ci., Ci cu., hazy.
	9	21.3	758.25	29.747	38.	47.7	42.3	.226	35.6	81.	NW.	1.30	..	.6	S., Ci-cu.
	10	22.	758.10	29.738	39.8	49.2	44.5	.256	39.1	82.2	NW.	.80	..	.95	S., Ci-cu., Cu-s., *S.*
	11	22.9	758.00	29.730	40.3	51.5	46.	.264	39.9	80.9	NNW.	.70	..	.9	S., Ci-cu., Cu-s., *SW.*
	12	22.2	756.75	29.683	40 5	52.3	46.5	.266	40.2	80.3	NNW.	.45	..	.6	Cu., Ci cu., *WSW.*
	13	22.9	756.00	29.651	44.6	54.	49.2	.309	44.5	81.8	NW.	.30	..	.2	Cu., Cu-s.
	14	23.	755.25	29.621	45.	55.3	50.	.314	45.	80.1	WNW.	.20	..	1.0	Cu., hazy.
	15	23.6	755.30	29.620	43.4	56.6	49.4	.285	42.2	77.2	*W.	.30	..	1.0	Cu., hazy.
	16	23.3	755.10	29.613	44.2	57.	50.1	.299	43.5	77.	W.	.15	..	1.0	Cu., hazy., *NW.*
	17	21.6	755.10	29.622	43.6	55.	49.4	.303	43.9	77.6	NW.	.30	..	1.0	Ci-s., Ci cu., hazy, Ci., S.
	18	22.	755.00	29.618	42.3	51.1	47.1	.293	43.	84.4	.....	..	..	1.0	Ci-s., Ci cu., hazy, Ci., S.
	19	23.	755.30	29.625	45.	50.6	48.	.320	45.5	92.3	NW.	.20	..	1.0	Cu-s., Ci cu., hazy, Ci s., S.
	20	22.7	755.25	29.624	45.2	50.5	47.2	.302	43.8	89.6	NW.	.20	..	1.0	Cu-s., Ci cu., hazy, Ci s., S., mackerel
	21	23.7	755.60	29.634	44.2	51.5	47.5	.298	43.4	87.5	NW.	.20	..	1.0	S. [back.
	22	24.6	755.75	29.633	45.1	50.8	47.5	.306	44.2	90.	NW.	.30	..	1.0	Ci., S., Cu-s.
	23	25.3	755.50	29.622	41.6	51.9	46.6	.273	40.9	83.1	NW.	.35	..	1.0	Ci., S., Cu., Cu-s.

* Has been both north and south during this hour.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
10	0	24.1	755.35	29.622	42.8	51.8	46.5	.273	40 8	83.4	NW.	.50	..	1.0	Cu s., Ci., S.
	1	24.7	755.30	29.617	45.8	51.5	47.	.287	42.4	86.3	NW.	.40	..	1.0	Cu-s., Ci., S.
	2	24.9	755.30	29.615	44.7	50.9	46.6	.284	42.1	87.9	NW.	.40	..	1.0	Ci-cu., Ci.
	3	24.5	755.15	29.612	44.8	50.5	46.5	.286	42.3	89.2	NW.	.55	..	1.0	Ci cu., Cu.
	4	23.9	755.55	29.631	45.	50.	46.3	.288	42.4	89.9	NW.	.55	..	1.0	Ci-cu., S., Cu s.
	5	22.8	755.60	29.638	43.5	49.2	45.8	.285	42.2	91.	NW.	.55	..	1.0	Ci-cu., S., Cu , *W.*
	6	22.1	755.80	29.646	43.	48.	45.	.280	41.6	92.9	NW.	.50	..	1.0	Ci cu , S., Cu., *W.*
	7	21.3	756.15	29.661	43.	47.9	45.	.282	41.9	92.9	NW.	.60	..	.1	S., Cu.
	8	23.7	757.00	29.691	44.	50.6	46.6	.287	42.4	90.1	NW.	1.40	..	1.0	Hazy, Ci., S., Ci-cu., *N.*
	9	23.8	757.30	29.697	42.3	52.3	47.5	.289	42.5	87.	NW.	1.70	..	1.0	Hazy, Ci-s.
	10	25.	757.20	29.688	42.	54.8	48 2	.277	41.3	81.2	NNW.	2.20	..	1.0	Hazy, Cu., Ci-s.
	11	25 3	757.15	29.685	43.5	56.6	49.	.276	41.2	77.9	NNW.	2.20	..	1.0	Hazy, Cu., Ci cu.
	12	24.5	756.80	29.675	42.	57.4	48.7	.260	39.4	75.7	NNW.	1.90	..	1.0	Hazy, Cu., Ci-cu., *NNW.*
	13	24.4	756.70	29.671	43.7	59.	51.	.296	43.2	76.	NNW.	2.00	..	1.0	Hazy, Cu., Ci cu., *NNW.*
	14	24.3	756.75	29.673	42.8	59.6	50.8	.285	42 2	74.9	NW.	1.80	..	1.0	Hazy, Cu., Ci-cu., *NNW.*
	15	24.2	756.95	29.682	44.	59.3	51.6	.308	44.4	76.2	WNW.	1.60	..	.9	Cu., *WNW.*
	16	24.	757.10	29.689	43.5	59.	51.2	.302	43.8	75.7	WNW.	1.10	..	.9	Hazy, Cu.
	17	21.3	757.30	29.695	42.8	57.	50.	.295	43.2	76.7	WNW.	.60	..	1.0	Hazy, Cu.
	18	24.	757.90	29.721	45.8	54.5	49.	.299	43.5	79.6	WNW.	.65	..	1.0	Hazy, Cu.
	19	23.4	758.15	29.733	44.4	52.	48.5	.316	45.1	86.9	WNW.	.45	..	..	Clear.
	20	23.6	758.35	29.740	43.7	51.6	47.5	.297	43.3	86.6	WNW.	.40	..	..	Clear.
	21	24.4	758.95	29.760	42.7	50.5	47.	.298	43.4	87.7	WNW.	.50	..	..	Clear.
	22	24.2	759.45	29.780	41.9	49.	45.8	.287	42.3	88.9	WNW.	.55	..	..	Clear.
	23	21.8	759.30	29.786	42.1	48.3	45.3	.284	42.1	89.2	WNW.	.55	..	..	Clear.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
11	0	22.1	759.55	29.795	42.1	48.3	45.	.277	41.3	89.4	WNW.	.50	..	..	Clear.
	1	22.1	759.75	29.802	41.3	47.5	44.4	.273	40.9	90.4	.....	..	..	..	Clear.
	2	22.5	759.95	29.818	42.2	48.	45.	.280	41.6	90.	.....	..	..	1.0	Cu., Ci-cu.
	3	23.	760.20	29.816	43.	48.2	45.5	.290	42.7	91.	.....	..	..	1.0	Cu., S., Ci-cu., Ci.
	4	23.5	760.10	29.809	43.3	49.5	46.9	.307	44.3	90.6	.....	..	..	1.0	Cu., Ci-cu.
	5	24.	760.70	29.830	44.8	49.1	46.5	.302	43.8	90.8	NW.	..	..	.5	S., Ci cu.
	6	23.6	760.80	29.837	43.3	46.5	44.7	.298	43.4	93.5	NW.	.15	..	1.0	Ci s., S., hazy.
	7	23.7	761.25	29.854	45.2	47.3	46.1	.307	44.3	96 7	NW.	.15	..	1.0	S.
	8	23.8	761.40	29.858	46.2	51.6	48.6	.322	45.7	92.4	NW.	.15	..	1.0	Hazy.
	9	24.6	761.90	29.875	48.2	55.4	51.3	.344	47.6	88.2	W.	.20	..	1.0	Hazy.
	10	25.2	762.00	29.875	47.4	58.2	52.2	.335	46.8	82.	W.	.30	..	1.0	Hazy.
	11	25.9	761.80	29.865	46.7	60.3	52.8	.327	46.1	77.	WSW.	.50	..	1.0	Hazy.
	12	25.2	761.45	29.854	48.	61.5	54.1	.346	47.8	77.7	WSW.	.50	..	1.0	Hazy.
	13	26.5	761.25	29.841	49.5	62.5	55.5	.372	49.9	78.8	SW.	.65	..	1.0	Hazy.
	14	27.	761.25	29.838	50.5	63.6	57.	.399	51.9	80.	SSW.	.90	..	1.0	Hazy.
	15	26.4	761.05	29.833	48.5	63.6	56.	.373	50.	77.8	SSW.	.80	..	1.0	Hazy, Ci-s.
	16	26.9	760.95	29.826	50.2	64.	57.	.395	51.6	78.	SW.	.50	..	1.0	Hazy, Ci-s.
	17	27.3	761.05	29.828	51.3	62.	56.5	.403	52.2	80.4	SW.	.50	..	1.0	Hazy, Ci s.
	18	26.8	761.10	29.833	49.8	58.4	54.1	.381	49.8	84.3	SW.	.50	..	1.0	Hazy, S.
	19	26.2	761.35	29.846	49.4	56.5	53.	.375	50.1	90.3	.....	..	..	..	S.
	20	25.7	761.75	29.864	49.8	54.5	52.2	.376	50.2	92.7	.....	..	..	..	Clear.
	21	25.3	761.75	29.866	49.5	53.5	51.7	.376	50.2	95.2	SW.	..	..	.2	Ci-cu., S., Ci-s.
	22	24.6	761.85	29.873	50.	52.5	51.2	.374	50.	97.8	SW.	..	..	1.0	Cu., Ci.
	23	24.	761.35	29.856	50.	53.	51.7	.381	50.6	98.1	SSE.	..	..	1.0	Cu-s., Ci s., Ci.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
12	0	23.1	760.90	29.844	51.1	52.3	51.3	.379	50.4	98.6	SSE.	..	..	.60	Cu., Ci-s., hazy.
	1	22.9	760.55	29.831	49.9	51.1	50.	.361	49.	99.5	SSE.	.10	..	.60	Cu., Ci., Ci-s
	2	23.	760.15	29.814	50.9	52.	51.1	.378	50.4	99.9	SSE.	.15	..	.20	Ci-cu., S.
	3	23.4	759.80	29.798	49.9	50.5	49.9	.365	49.3	99.7	ESE.	.15	..	.30	Ci cu.
	4	23.3	759.75	29.796	48.	50.	49.1	.352	48.3	98.5	ESE.	.17	..	..	Cu.
	5	23.8	759.75	29.793	48.5	50.	49.3	.357	48.7	98.6	E.	.15	..	..	Clear.
	6	23.1	759.75	29.798	48.5	49.7	49.1	.355	48.5	99.5	E.	.40	..	1.00	S., dense fog.
	7	23.1	760.00	29.808	51.2	52.3	51.8	.391	51.3	99.	E.	.15	..	1.00	S., dense fog.
	8	23.7	759.75	29.795	53.6	54.5	54.1	.425	53.8	99.	E.	.40	..	1.00	S., dense fog.
	9	24.9	760.10	29.802	55.7	56.7	56.1	.452	55.6	98.3	E.	.40	..	1.00	S., dense fog.
	10	25.8	760.00	29.794	56.8	58.8	57.7	.473	57.	97.7	ENE.	.20	..	1.00	S., dense fog.
	11	26.3	760.25	29.802	58.2	62.	60.	.501	58.7	96.	NE.	.20	..	1.00	Hazy, S., Cu-s.
	12	25.5	759.70	29.783	60.2	65.	62.2	.532	60.5	93.4	NE.	.20	..	1.00	Cu., S., hazy, Ci-s., *W.*
	13	26.8	759.50	29.770	59.2	68.6	63.1	.519	59.8	87.	NNE.	.35	..	1.00	Cu., hazy, Ci cu., *W.*
	14	25.9	759.45	29.772	58.5	69.5	63.1	.510	59.2	83.7	NNW.	.40	..	1.00	Cu., hazy, Ci-cu., *W.*
	15	25.5	759.50	29.775	57.9	69.5	62.8	.500	58.6	82.9	NW.	.30	..	1.00	Cu., hazy, Ci-cu., *W.*
	16	27.1	759.85	29.782	54.	69.	60.5	.438	54.7	78.5	NW.	.60	..	1.00	Cu., hazy, *W.*
	17	27.	760.35	29.803	54.2	66.4	59.6	.440	54.8	80.3	NW.	1.00	..	1.00	S., hazy, Ci., Cu.
	18	26.	760.90	29.829	48.6	62.5	55.5	.372	49.9	78.7	WNW.	.75	..	1.00	Hazy, Cu-s.
	19	24.9	761.25	29.847	47.4	59.5	53.5	.354	48.4	81.	WNW.	.55	..	..	Clear.
	20	23.7	761.55	29.866	44.	57.9	50.9	.307	44.3	77.7	NW.	.90	..	..	Clear.
	21	23.3	761.85	29.879	44.	56.	50.	.306	44.2	79.3	NW.	.75	..	..	S.
	22	22.1	762.00	29.891	44.2	54.3	49.5	.313	44.9	82.3	NW.	.70	..	.06	S.
	23	21.5	762.10	29.898	44.6	53.	48.6	.308	44.4	83.8	NW.	.70	..	.10	Cu., S., hazy.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
13	0	21.1	762.15	29.901	43.5	51.5	47.7	.302	43.8	85.4	NNW.	.90	..	.08	S., Cu-s.
	1	21 7	762.50	29.912	42.	50.5	46.6	.288	42.4	87.1	NNW.	.90	..	.07	S.
	2	22.1	762.60	29 914	42.4	49.1	46.1	.293	43.	89.4	NNW.	.70	..	.2	S.
	3	23.1	762.90	29.922	42.3	47.6	45.2	.290	42.7	91.3	NNW.	.45	..	..	Clear.
	4	24.5	763.25	29.928	42.	46.5	44.3	.282	41.8	93.8	NNW.	.45	..	..	Clear.
	5	25.4	763.40	29.930	41.7	45.7	43.5	.274	41.	94.8	NNW.	.45	..	..	Clear.
	6	25.	763.60	29.939	41.	44.5	42.5	.266	40.2	94.9	NNW.	.45	..	..	Clear.
	7	25.	764.05	29.957	40.7	45.5	43.2	.269	40.5	94.2	NNW.	.80	..	..	Clear.
	8	24.2	764.10	29.963	41.7	47.7	44.4	.271	40.7	90.8	NNW.	.50	..	1.0	Hazy.
	9	24.1	763.95	29.957	40.2	49.8	45.1	.263	39.8	86.3	NNW.	1.00	..	1.0	Hazy.
	10	24.7	763 60	29.941	41.5	51.6	46.6	.276	41.2	84.9	N.	.80	..	1.0	Hazy, Cu.
	11	25.2	763.40	29.930	40.2	53.	47.	.270	40.6	80.1	NNW.	.65	..	1.0	Hazy, Cu.
	12	22.7	762.45	29.905	40.8	51.	47.5	.270	40.6	77.9	NW.	.40	..	1.0	Hazy, Cu., *WNW.*
	13	23.6	762.00	29.883	40.	55.1	47.7	.262	39.7	74.7	NW.	.60	..	1.0	Hazy, Cu., *W.*
	14	20.8	761.30	29.869	38.	56.1	47.	.235	36.6	70.9	NW.	.70	..	1.0	Hazy, Cu., *W.*
	15	21.1	761.15	29.862	39.	56.5	49.	.277	41.3	71.3	NW.	.70	..	1.0	Hazy, Cu., *W.*
	16	22.2	761.50	29.870	39.5	55.8	49.4	.294	43.	74.	NW.	.30	..	1.0	Hazy, Cu., *W.*
	17	22.8	761.70	29.876	42.	53.5	48.	.287	42.4	76.6	WNW.	.30	..	1.0	Hazy, Cu.
	18	22.	762.15	29.897	40.	49.5	45.	.264	40.	83.2	WNW.	.30	..	1.0	Hazy, Cu., Cu-s., *W.*
	19	21.	762.45	29.914	42.	47.8	44.5	.272	40.8	)	WNW.	1.80	..	1.0	Hazy, Cu., Cu-s., *W.*; 19*h*. 4*m*., com-
	20	20.8	763.00	29.936	39.5	46.2	43.1	.259	39.4	90.8	WNW.	1.50	..	1.0	Hazy, N., raining. [menced raining.
	21	20.8	762.80	29.929	40.2	44.3	42.	.257	39.2	92.6	WNW.	.90	..	.15	Cu-s., S.
	22	20.6	762.90	29.933	38.3	43.3	40.7	.242	37.5	91.7	WNW.	1.50	..	.11	Cu-s.
	23	20.5	762.85	29.931	38.2	42.7	40.1	.238	37.	91.1	WNW.	1.80	..	.03	Cu s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
14	0	21.3	763.15	29.939	36.2	42.	39.5	.238	36.4	91.	WNW.	1.80	..	..	Clear.
	1	21.8	763.35	29.945	36.	41.2	39.	.230	36.	91.5	WNW.	1.00	..	..	Clear.
	2	22.1	763.55	29.951	35.	41.	38.2	.217	34.4	90.8	WNW.	1.40	..	..	S. at Hor.
	3	21.5	763.75	29.963	34.5	40.4	38.	.219	34.6	91.3	WNW.	1.40	..	..	Clear.
	4	19.8	764.15	29.987	33.7	40.	37.7	.218	34.5	91.3	WNW.	1.00	..	..	Clear.
	5	19.8	764.50	30.001	34.	39 5	37.2	.214	34.	91.7	WNW.	1.00	..	..	Clear.
	6	18.9	761.90	30.020	33.5	39.2	37.	.213	33.9	92.3	WNW.	1.60	..	1.0	S., hazy.
	7	17.7	765.30	30.041	34.5	40.2	37.5	.211	33.6	91.8	NW.	1.50	..	1.0	Hazy.
	8	17.2	765.70	30.059	36.	42 5	39.1	.217	34.4	89.2	NW.	2.60	..	1.0	Hazy.
	9	17.2	766.35	30.085	35.8	44.8	40.8	.226	35.5	86.9	NW.	2.90	..	1.0	Cu., hazy, *NW.*
	10	17.3	766.95	30.109	36.5	46.2	41.6	.228	35.8	84.	NW.	3.00	..	.6	Cu., *NW.*
	11	18.1	767.35	30.121	36.	48.5	43.	.230	36.1	80.6	NW.	2.40	..	.6	Cu., *NNW.*
	12	18.8	767.50	30.122	35.7	49.7	43.3	.224	35.3	77.7	NNW.	2 30	..	.6	Cu., *NNW.*
	13	19.8	767.40	30.115	35.3	50.3	43.4	.219	34.6	74.8	NW.	2.30	..	.5	Cu., *NNW.*
	14	19.8	767.35	30.113	36.1	51.7	44.5	.227	35.7	72.	NW.	2.20	..	.6	Cu., *NNW.*
	15	20.1	767.50	30.117	35.3	51.4	43.6	.211	33.6	71.	NW.	1.80	..	1.0	Cu., hazy.
	16	20.1	767.80	30.129	36.4	50.6	44.	.229	35.9	73.2	NW.	1.40	..	1.0	Cu., hazy.
	17	20.1	768.50	30.155	35.8	48.1	42 5	.224	35.3	74.8	WNW.	.75	..	1.0	Cu., Cu-s., hazy.
	18	20.	768.75	30.165	37.2	46.	41.5	.228	35.8	77.1	NW.	.35	..	1.0	Hazy.
	19	19.8	768.90	30.173	36.	40.2	38.2	.225	35.4	?	NW.	.35	..	..	Clear.
	20	19.3	769.30	30.191	36.8	40.	38.5	.234	36.5	92.3	WNW.	.35	..	..	Clear.
	21	19.	769.30	30.182	37.1	39.	38.	.232	36.3	93.7	WNW.	.35	..	..	Clear.
	22	19.3	769.60	30.201	37.5	38.1	37.3	.232	36.3	96.2	WNW.	..	..	..	Clear.
	23	19.9	769.85	30.210	35.	38.2	36.8	.220	34.8	93.9	WNW.	..	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
16	0	17.3	763.55	29.974	47.3	48.7	48.7	.357	48.7	96.9	SSE.	.10	..	1.0	Cu.
	1	17.5	763.10	29.955	47.	49.1	48.6	.350	48.1	97.	SSE.	.10	..	1.0	Cu., Cu-s.
	2	17.7	762.50	29.931	46.	47.	46.8	.310	44.6	99.	SSE.	.10	..	1.0	Cu., Ci-cu., S.
	3	17.8	762.20	29.919	46	46.5	46.4	.329	45.5	99.5	SSE.	.10	..	1.0	Cu., Ci-cu., Ci.
	4	17.9	762.80	29.943	44.	45.7	45.5	.318	45.3	100.	SSE.	.10	..	1.0	Ci., S.
	5	18.	761.70	29.899	45.2	46.3	45.8	.317	45.2	100.	SSE.	.10	..	1.0	Ci-cu., Cu-s., S., *SSW.*
	6	18.	761.60	29.895	45.5	46.5	46.1	.323	45.8	100.	SSE.	.10	..	1.0	Ci-cu., Cu., Ci., S., *SSW.*
	7	18.3	761.60	29.892	47.	47.5	47.3	.338	47.1	101.	SSE.	.10	..	1.0	Ci-cu., Cu., Ci., S., *SSW.*
	8	18 9	761.60	29.890	51.	52.5	51.6	.384	50.8	98.2	S.	.10	..	1.0	Ci-cu., Cu., Ci., S., *SSW.*
	9	18.9	761.50	29.886	53.	56.6	54.7	.417	53.2	94.5	S.	.25	..	1.0	Ci-cu., hazy, Ci-s., Ci., S., *SSW.*
	10	20.	761.15	29.867	48.	59.4	53.	.342	47.4	79.3	SW.	.30	..	1.0	Ci-cu., hazy, Ci-s., Ci., S., *SW.*
	11	20.3	760.85	29.855	43.2	60.	51.5	.298	43.4	73.3	WNW.	.30	..	1.0	Ci-cu., hazy, Ci-s., Ci., S.
	12	20.7	760.60	29.843	44.3	59.7	52.5	.326	46.	74.	WNW.	.40	..	1.0	Ci cu., hazy, Ci-s., Ci., S., *W.*
	13	20.8	760.05	29.820	45.5	58.6	52.5	.339	47.2	76.8	NW.	.40	..	1.0	Ci-cu., Ci s., Ci., S., *SW.*
	14	21.2	759.80	29.809	44.8	56.2	50.7	.320	45.5	77.5	WNW.	.35	..	1.0	Cu., Cu-s., Ci., S., *WSW.*
	15	21.2	759.60	29.801	46.4	55.2	50.3	.322	45.7	78.8	WNW.	.55	..	1.0	Cu., Cu-s., Ci., S., *WSW.*
	16	21.1	759.40	29.793	45.9	54.1	49.7	.321	45.6	82.	WNW.	.70	..	1.0	Cu., Cu-s., S., *WSW.*
	17	20.8	759.45	29.796	42.8	53.	48.	.293	42.9	83.4	WNW.	.40	..	1.0	Ci-cu., Ci s., S.
	18	20.4	759.65	29.807	43.5	52.5	47.9	.296	43.2	82.2	W.	.46	..	1.0	Cu., Cu-s., S
	19	20.1	759.85	29.816	42.4	51.5	47.	.287	42.4	81.7	W.	.40	..	1.0	S.
	20	20.	760.10	29.826	40.3	49.4	44.5	.254	38.9	83.4	WNW.	.35	..	1.0	S.
	21	20.	760.10	29.826	38.8	48.	43.2	.241	37.4	)	WNW.	.75	..	..	Clear.
	22	20.	760.30	29.834	39.5	46.5	42.5	.243	37.6	82.5	WNW.	.75	..	..	Clear.
	23	19.8	760.30	29.826	42.	44.6	42.	.254	38.9	86.5	WNW.	.60	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
17	0	19.9	760.30	29.834	40.5	43.5	40.5	.235	38.1	89.5	WNW.	.40	..	..	Clear.
	1	19.9	760.30	29.834	38.6	43.	41.	.252	38.6	91.5	WNW.	〃	..	..	Clear.
	2	19.8	760.20	29.832	36.	41.2	40.	.251	38.5	93.2	W.	〃	..	..	Clear.
	3	19.8	759.75	29.817	36.4	39.	38.	.235	36.7	95.2	W.	〃	..	..	Clear.
	4	19.3	760.00	29.825	37.2	39.8	38.1	.228	35.8	95.	W.	〃	..	..	Clear.
	5	18.8	760.25	29.837	36.8	40.	38.2	.228	35.8	93.8	W.	〃	..	..	Clear.
	6	17.8	760.05	29.835	36.1	37.6	36.8	.227	35.7	97.1	W.	.10	..	1.0	Hazy.
	7	18.2	760.15	29.836	38.4	39.2	38.2	.237	36.9	98.3	WSW.	.10	..	1.0	Hazy.
	8	19.3	760.30	29.837	39.	42.9	40.7	.246	37.9	92.1	WSW.	.10	..	1.0	Hazy, S.
	9	20.1	760.55	29.844	38.	46.3	42.7	.250	38.4	87.	WSW.	.20	..	1.0	Hazy, Ci-s.
	10	20.	760.20	29.830	37.	49.5	43.7	.236	36.8	77.5	SW.	1.10	..	1.0	Cu., hazy, Ci s., Ci-cu.
	11	20.	759.55	29.804	39.	51.2	45.1	.248	38.2	77.	WSW.	2.20	..	.9	Cu., hazy, Ci cu., W.
	12	20.7	759.25	29.789	38.8	51.	44.9	.245	37.8	75.3	WSW.	2.40	..	1.0	Cu., W.
	13	21.4	758.95	29.774	40.	52.6	46.	.252	38.6	73.1	WSW.	*3.00	..	1.0	Cu.
	14	20.8	758.80	29.771	39.5	52.	46.	.259	39.4	74.	WSW.	2.30	..	1.0	Cu.
	15	20.6	758.75	29.770	37.8	50.2	44.	.235	36.6	73.	WSW.	2.20	..	1.0	Cu.
	16	20.4	758.75	29.772	38.4	51.	44.8	.243	37.6	73.1	WSW.	1.50	..	1.0	Cu., hazy, Ci cu.
	17	19.2	758.85	29.781	39.9	49.	44.6	.261	39.6	76.4	WSW.	.75	..	1.0	Cu., hazy, Cu-s., Ci-cu.
	18	18.6	759.40	29.805	38.3	46.6	42.5	.242	37.5	78.4	WSW.	.20	..	1.0	Cu., hazy, Cu s., Ci-cu.
	19	18.5	760.00	29.829	37.3	46.5	42.	.233	36.6	78.6	WSW.	.20	..	.15	S.
	20	18.3	760.25	29.840	37.4	46.5	42.	.233	36.4	78.8	WSW.	.23	..	1.0	S.
	21	18.2	760.30	29.842	....	46.5	42.	.233	36.4	78.	WSW.	.20	..	1.0	S.
	22	18.3	760.80	29.861	37.	46.2	42.	.236	36.8	81.3	W.	.20	..	1.0	S.
	23	18.1	761.10	29.875	38.9	47.	43.7	.264	39.9	86.8	SW.	.20	..	1.0	S.

* As high in this hour as 5.3.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
18	0	18.5	761.10	29.872	36.	45.	42.7	.264	40.	87.8	SW.	.20	..	1.0	S.
	1	17.5	761.00	29.873	36.6	42.1	40.5	.251	38.5	89.1	SW.	.20	..	.5	Ci., Cu-s.
	2	17.7	761.50	29.892	39.	41.	39.9	.251	38.5	94.1	SW.	.20	..	1.0	Ci., Cu-s.
	3	18.	761.00	29.871	36.	41.1	40.	.252	38.6	95.5	SW.	.20	..	.3	Ci., Ci-cu.
	4	17.9	761.45	29.890	37.	40.	39.4	.252	38.6	96.8	SW.	.20	..	..	Clear.
	5	17.4	761.20	29.881	36.6	37.9	37.2	.232	36.3	97.3	SW.	..	..	..	Clear.
	6	16.3	761.35	29.893	37.6	39.	38.3	.241	37.3	97.1	SW.	..	..	..	Clear.
	7	15.6	761.60	29.906	38.	40.	38.9	.242	37.4	97.8	SW.	..	..	..	Clear.
	8	16.3	761.95	29.917	39.8	43.5	41.5	.257	39.2	95.3	SW.	..	..	1.0	Hazy, S.
	9	17.4	762.15	29.918	40.3	48.6	44.2	.257	39.2	85.4	SW.	.25	..	1.0	Hazy, S.
	10	18 9	762.20	29.913	39.5	52.1	45.5	.246	37.9	78.2	WSW.	.80	..	1.0	Hazy, Cu-s., S., Cu.
	11	21.4	762.10	29.898	40.	54.6	47.4	.261	39.7	75.4	SW.	1.10	..	1.0	Hazy, S., Cu.
	12	20.7	761.25	29.868	40.8	55.5	48.2	.269	40.5	74.1	SW.	1.80	..	1.0	Hazy, Ci s., S.
	13	21.7	760.45	29.832	38.5	55.9	47.7	.253	38.7	72.7	WSW.	1.70	..	1.0	Hazy, Ci s., S, *WSW.*
	14	20.9	759.80	29.810	40.2	56.6	49.1	.278	41.4	73.3	SSW.	1.50	..	1.0	Hazy, Ci-s., S, *WSW.*
	15	20.7	759.80	29.811	41.7	56.1	49.1	.284	42.	74.7	SSW.	2.10	..	1.0	Hazy, Ci s., S., Cu, *WSW.*
	16	20.5	759.65	29.805	41.8	56.6	49.2	.280	41.6	74.	SSW.	1.90	..	1.0	Ci-cu., hazy, Ci-s., S., Cu., *WSW.*
	17	20.	759.50	29.802	41.	53.2	47.5	.279	41.5	78.4	SSW.	1.20	..	1.0	Ci-cu., hazy, Ci-s., S., Ci.
	18	20.	759.25	29.792	42.1	50.5	46.4	.284	42.	82.2	SSW.	.25	..	1.0	Ci-cu., hazy, S.
	19	19.9	759.50	29.802	42.4	50.6	46.6	.287	42.4	85.7	SSW.	.25	..	..	
	20	19.3	759.00	29.785	42.	47.8	44.7	.276	41.2	87.8	SSW.	.25	..	..	Clear.
	21	19.	758.90	29.784	42.3	47.2	44.6	.281	41.7	91.3	SSW.	.20	..	.75	S.
	22	19.7	758.40	29.761	42.5	47.	44.7	.285	41.3	92.8	SSW.	.20	..	..	Clear.
	23	20.1	757.95	29.742	44.	47.7	45.8	.302	43.8	94.3	SSW.	.10	..	1.0	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
19	0	20.8	757.10	29.704	42.8	49.5	46.5	.297	43.4	92.9	SSW.	.10	..	1.0	S.
	1	20.2	756.25	29.669	42.	51.3	47.5	.300	43.6	90.4	SSW.	.20	..	1.0	N.
	2	21.7	756.15	29.658	44.8	51.2	48.2	.317	45.2	92.8	WNW.	1.10	..	1.0	N.
	3	20.7	756.25	29.667	42.7	51.1	47.1	.293	43.	89.5	WNW.	1.50	..	.3	S., Cu-s.
	4	20.5	757.75	29.731	41.9	50.9	46.4	.280	41.6	88.3	WNW.	4.00	..	1.0	S., Ci-s., Cu-s., Cu., N.
	5	20.2	759.35	29.795	46.	48.6	44.6	.265	40.1	89.	W.	*5.00	..	.1	S., Cu-s.
	6	19.6	760.70	29.852	43.8	45.6	43.	.264	40.	89.3	WNW.	3.00	..	1.0	Hazy, Cu-s.
	7	19.1	762.00	29.904	40.	45.7	42.2	.246	37.9	86.	WNW.	1.25	..	1.0	Hazy, Cu.
	8	19.	763.50	29.964	40.	46.6	42.	.232	36.3	85.1	WNW.	2.60	..	1.0	Hazy, Cu.
	9	19.	764.15	29.990	39.5	47.6	42.6	.233	36.4	84.2	WNW.	2.60	..	1.0	Hazy, Cu.
	10	19.	764.70	30.012	39.3	49.1	43.4	.234	36.5	82.	WNW.	2.30	..	.7	Cu.
	11	19.	765.05	30.025	38.3	50.1	43.5	.225	35.4	79.2	WNW.	2.50	..	.7	Cu., *NNW.*
	12	19.2	765.10	30.026	39.8	51.8	45.1	.241	37.4	77.7	WNW.	2.20	..	.6	Cu.
	13	20.1	765.25	30.028	39.5	52.1	45.1	.238	37.	74.7	WNW.	1.70	..	.35	Cu.
	14	20.9	765.50	30.034	41.8	54.1	47.3	.264	39.9	75.	WNW.	1.50	..	1.0	Hazy, Cu.
	15	21.5	765.95	30.050	41.8	54.	47.2	.263	39.9	75.1	WNW.	1.50	..	1.0	Hazy, Cu., Ci-cu.
	16	21.7	766.30	30.062	41.	53.6	46.6	.254	38.9	74.8	WNW.	1.25	..	1.0	Hazy, Ci-s., S.
	17	21.5	766.50	30.072	40.8	51.4	46.	.266	40.2	76.7	WNW.	.45	..	1.0	Hazy, Ci-s., S., Ci.
	18	20.9	767.15	30.097	40.	47.	43.7	.263	39.8	83.4	WNW.	.20	..	..	Clear.
	19	20.1	767.75	30.127	40.	45.	42.3	.255	39.	86.8	WNW.	.20	..	..	Clear.
	20	19.2	768.15	30.147	38.1	41.6	40.	.246	37.9	94.	W.	.20	..	..	Clear.
	21	18.9	768.75	30.162	39.6	41.	39.1	.234	36.5	93.9	WSW.	..	..	..	Clear.
	22	18.1	769.10	30.188	38.6	39.	38.	.225	36.6	95.4	WSW.	..	..	..	Clear.
	23	17.2	769.00	30.188	37.	38.2	37.5	.234	36.5	98.3	WSW.	..	..	..	Clear.

* Wind as high as 9 pounds during this hour.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
20	0	16.6	769.00	30.191	37.	38.	37.3	.232	36 3	98.5	WSW.	..	..	..	Clear.
	1	17.	769.15	30.196	34.8	36.2	35 5	.218	34.5	100.3	WSW.	..	..	..	Clear.
	2	17.	769.10	30.196	33.9	36.	35.	.211	33.6	99.8	WSW.	..	..	..	Clear.
	3	18.7	769.25	30.191	31.	35.6	35.1	.216	34.3	100 1	WSW.	..	..	..	Clear.
	4	19.4	769.50	30.197	32.6	35.1	34.6	.213	33.9	100.3	WSW.	..	..	..	Clear.
	5	19.2	769.60	30.203	33.7	34.5	34.	.208	33.2	101.2	WSW.	..	..	..	Clear.
	6	17.3	769.65	30.214	33.5	34.1	33.7	.207	33.1	101.5	WSW.	..	..	.5	S.
	7	18.3	770.00	30.221	35.	35.8	35.4	.220	34.8	101.2	WSW.	..	..	1.0	S., foggy, Ci s.
	8	19.1	770.05	30.220	40.6	42.4	41.4	.267	40.3	97.2	WSW.	..	..	1.0	Foggy.
	9	20.	769.85	30.208	43.	47.2	45.1	.292	42 9	92.2	SW.	.15	..	1.0	Hazy, S., Ci s.
	10	20 3	769.40	30.189	46.	52.6	49.1	.322	45.7	88.7	SSW.	.45	..	1.0	Hazy, S., Ci s
	11	21.	768.70	30.158	48.2	59.1	53.7	.361	49.	84.5	SSW.	1.80	..	1.0	Hazy, Cu., S., Ci s., SSW.
	12	21.	767.80	30.124	49.	61.2	55.2	.378	50.4	83.2	SSW.	3.00	..	1.0	Hazy, Cu., S., Ci.,* Ci s., SSW.
	13	22.6	766.80	30.078	51.	63.3	57.2	.408	52.6	83.	SSW.	3.50	..	1.0	Hazy, Cu , S., Ci., Ci s., SSW.
	14	23 3	765.95	30.040	51.5	64.9	58.1	.415	53.1	81.3	SSW.	3.50	..	1.0	Hazy, Cu., S., Ci., Ci s., SSW.
	15	23.7	765.45	30.019	50.8	65.3	58.	.407	52.5	80.1	SSW.	3.20	..	1.0	Hazy, Cu., S., Ci., Ci s.
	16	24.	765.00	29.999	51.2	65.1	58.3	.418	53.3	80.6	SSW.	2.80	..	1.0	Hazy, S., Ci., Ci-s.
	17	23.9	764.70	29.988	50.	61.7	55.8	.389	51.2	82.5	S.	2.00	..	1.0	Hazy, S., Ci., Ci-s.
	18	23.	764.50	29.985	49.5	58.1	53.7	.374	46.8	85.3	S.	1.20	..	1.0	Hazy, Ci s.
	19	22.2	764.35	29.982	50.	55.5	52.1	.363	49.2	87.9	S.	.35	..	..	Clear.
	20	23.9	764.25	29.970	48.8	53.5	50.7	.351	48.2	90.6	S.	.10	..	..	Clear.
	21	23.4	764.15	29.969	50.8	54.	52.5	.390	51.3	96.7	S.	.20	..	..	Clear.
	22	24.1	763.75	29.949	50.8	54.2	52.7	.392	51.4	97.5	S.	.30	..	..	Clear.
	23	23.9	763.30	29.932	51.2	54.5	53.2	.401	51.6	98.5	SSW.	.50	..	..	Clear.

* Moving from N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
21	0	24.8	763.15	29.923	50.2	54.5	53.	.399	51.9	98.7	SSW.	.40	..	..	Clear.
	1	24.8	762.70	29.906	50.1	54.	52.7	.394	51.6	99.	SSW.	.40	..	..	Clear.
	2	24.6	762.15	29.884	48.	53.	52.	.389	51.2	98.5	SSW.	.40	..	..	Clear.
	3	22.	761.55	29.874	48.	52.1	51.1	.377	50.3	99.1	SSW.	.40	..	..	Clear.
	4	24.	761.45	29.859	48.1	52.3	51.	.371	49.8	100.2	SSW.	.40	..	..	Clear.
	5	23.6	761.00	29.844	50.	51.4	50.7	.374	50.	100.	SSW.	.40	..	..	Clear.
	6	22.8	760.65	29.835	49.4	50.5	49.9	.365	49.3	100.6	SSW.	..	..	1.0	Foggy.
	7	22.1	760.20	29.819	50.6	51.4	51.	.382	50.7	101.5	SSW.	.10	..	1.0	Foggy.
	8	22.5	760.15	29.816	53.5	56.	54.7	.423	53.7	98.6	SSW.	.50	..	1.0	Hazy.
	9	22.2	759.95	29.809	53.8	60.1	56.8	.433	54.4	92.1	SSW.	2.10	..	1.0	Hazy.
	10	22.6	759.75	29.800	54.7	62.6	58.8	.460	56.2	90.1	SSW.	2.40	..	1.0	Hazy.
	11	24.2	759.45	29.780	56.5	66.1	61.2	.490	58.	87.	SSW.	1.50	..	1.0	Hazy.
	12	25.	758.60	29.743	56.8	68.7	62 6	.503	58.8	84.2	SSW.	1.60	..	1.0	Hazy.
	13	25.4	757.75	29.709	57.8	70.6	63.9	.521	59.9	82.4	SSW.	2.10	..	1.0	Hazy.
	14	25.4	757.00	29.679	57.5	71.5	64.1	.518	59.7	80.3	SSW.	2.10	..	1.0	Hazy.
	15	25.6	756.95	29.675	57.2	72.	64.4	.521	59.9	79.	SSW.	1.75	..	1.0	Ci-cu., hazy, Cu-s., W.
	16	26.2	756.75	29.665	58.	70.6	64.2	.531	60.4	80.8	SSW.	1.65	..	1.0	Hazy, S.
	17	....	.....	.....	57.2	66.	61.5	.500	58.6	85.2	SSW.	.86	..	1.0	Hazy, S.
	18	25.7	756.95	29.675	57.	65 5	61.5	.506	59.	87.1	SSW.	.45	..	1.0	Hazy, S.
	19	25.2	757.15	29.685	56.6	63.8	60.6	.499	58.6	89.8	SSW.	.45	..	1.0	Hazy.
	20	25.	757.20	29.688	57.4	62.8	60.	.492	58.2	91.2	SSW.	.43	..	1.0	Hazy.
	21	24.9	757.55	29.702	55.3	64.5	60.5	.488	57.9	90.3	WSW.	.40	..	1.0	Hazy, S.
	22	24.6	757.40	29.698	55.5	63.5	60.	.484	57.7	91.3	SW.	.35	..	.9	Cu., hazy, S.
	23	24.3	757.05	29.685	55.3	63.	60.	.490	58.	92.6	SW.	.37	..	1.0	Cu., hazy, S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.			Sky covered, 10ths.	Clouds, and direction of their motion
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.	Rain, inches.		
22	0	....	.....	.....	....	....	....	....	....	....	NW.	1.80	.050	1.0	N.
	1	14.6	758.20	29.777	36.	38.3	38.	.243	37.6	97 1	NW.	2.30	.070	1.0	N.
	2	22.)	758.80	29 766	37.	38.5	37.6	.233	36.4	95.8	NNW.	2.30	.005	1.0	N.
	3	21 9)	759.00	29.773	36.	38.0	37.8	.233	36.4	94.5	NW.	1.60	..	1.0	N.
	4	16.8)	759.35	29.812	37.9	38.6	37.	.220	34.8	93.2	NW.	1.30	..	)	
	5	12.2	759.80	29.852	34.4	38.6	36.2	.204	33.7	89.8	NW.	1.40	..	..	Clear, except N. in Hor
	6	12.	760.05	29.868	34.5	37.6	35.9	.210	33.5	91.8	NW.	1.00	..	.8	Cu., N.
	7	12.2	760.50	29.880	35.	38.8	36 6	.210	33.5	90.8	NW.	.90	..	1.0	Cu., NW.
	8	12.3	761.35	29.907	34.	40.2	36.3	.188	30 4	82.8	NW.	2.50	..	)	Cu.
	9	14.2	762.00	29.929	33.7	42.1	37.5	.191	30.8	80.1	NW.	3.00	..	1 0	Hazy, Cu., NNW.
	10	14.4	762.00	29.927	33.5	42.8	38.1	.194	31.2	79.	NW.	3.00	.	1.0	Hazy, Cu.
	11	16.3	762.30	29.930	33.	44.1	38.6	.190	30.7	77.2	NW.	2 90	..	1.0	Hazy, Cu.
	12	17.	762.35	29.929	32.6	45.1	39.3	.193	31.1	75 9	NW.	3.00	..	1.0	Hazy, Cu.
	13	18 5	762.65	29.933	34.8	45.8	40.1	.201	32.2	75.7	NW.	2.80	..	1.0	Hazy, Cu.
	14	18.8	763.00	29 934	35.3	46.0	40.8	.207	33.1	75.2	NW.	2.80	..	1.0	Hazy.
	15	18.9	763.60	29.968	34.9	46.7	40.6	.202	32.4	74.3	NNW.	2.20	..	1.0	Hazy.
	16	19.3	764.00	29 983	35 5	46.5	40.7	.206	32.9	74.7	NNW.	1.40	..	1.0	Hazy, Cu-s.
	17	20.	764 10	29.983	34.4	44.1	39.6	.211	33 6	77.	NNW.	.80	..	1.0	Hazy.
	18	20.	764.15	29.985	36.	42.5	39.	.216	34.3	78.4	NNW.	.45	..	1.0	Hazy.
	19	19.6	765.20	30.028	31.3	39.	36.8	.211	33.6	84.3	N.	.45	..	..	Clear.
	20	19.3	765.55	30.043	34.5	37.7	36.	.211	33.6	91.2	N.	.45	..	..	Clear.
	21	19.	766.00	30.063	34.3	36.	35.	.211	33.6	94.3	N.	.45	..	..	Clear.
	22	18.5	766.35	30.079	32.	35.	33.8	.198	31.8	94.4	N.	.45	..	..	Clear.
	23	17.7	766.25	30.079	33.	35.8	34.2	.197	31.7	92.1	N.	.45	..	..	Clear.

1756

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
24	0	16.6	766.00	30.074	32.5	36.9	34.1	.183	29.6	87.4	WNW.	.45	..	..	Clear.
	1	16.8	767.00	30.113	32.	36.8	33.5	.172	27.9	84.8	WNW.	.45	..	..	Clear.
	2	16.5	765.85	30.070	31.2	36.4	33.1	.169	27.4	85.8	NW.	.40	..	..	Clear.
	3	17.1	765.70	30.060	30.1	35.5	33.	.179	29.	86.8	NW.	.40	..	..	Clear.
	4	17.	766.10	30.077	30.1	35.	32.5	.175	28.3	87.	NW.	.40	..	..	Clear.
	5	16.7	766.50	30.094	30.3	34.2	32.2	.178	28.8	89.2	NW.	.40	..	..	S. in Hor.
	6	16.2	766.60	30.101	29.8	33.	31.4	.177	28.7	90.8	NW.	..	..	1.0	Ci-s., S., Ci-cu., Cu-s., *SW.*
	7	15.9	766.85	30.112	31.	34.7	32.8	.183	29.6	91.6	NW.	..	..	1.0	Ci-s., S., Cu., Cu-s., *SW.*
	8	16.2	767.50	30.136	32.	38.	35.	.188	30.4	88.4	NW.	.25	..	.5	Ci-cu., S., Cu., Ci s.
	9	15.8	767.25	30.127	32.7	41.3	37.	.189	30.5	82.8	NW.	.20	..	1.0	Ci cu., S., hazy.
	10	16.5	766.90	30.112	33.5	43.5	38.8	.199	31.9	77.8	NW.	.20	..	1.0	Ci-s., S., hazy.
	11	17.2	766.60	30.095	35.2	46.1	40.6	.207	33.1	76.8	WNW.	.15	..	1.0	S., hazy.
	12	18.	766.25	30.078	36.9	48.1	42.6	.226	35.6	75.9	W.	.15	..	1.0	Hazy.
	13	19.7	765.95	30.058	36.8	51.2	44.3	.228	35.8	72.2	W.	.35	..	1.0	Ci-s., hazy.
	14	19.8	765.75	30.050	36.5	53.1	45.4	.233	36.4	71.	WSW.	.40	..	1.0	Ci-s., Cu-s., hazy.
	15	20.8	765.50	30.034	40.	54.6	47.2	.256	39.1	70.7	WSW.	.30	..	1.0	S., Ci-s., Ci-cu., hazy, Ci.
	16	21.1	765.45	30.031	40.2	54.8	47.3	.256	39.1	70.1	WSW.	.20	..	1.0	S., Ci s., hazy, Ci.
	17	20.8	765.45	30.032	40.1	51.	45.5	.258	39.3	74.4	WSW.	.20	..	1.0	S., Ci-s , hazy, Ci.
	18	20.	765.35	30.032	39.8	48.	44.1	.261	39.1	79.4	WSW.	.20	..	1.0	S., Ci-s., hazy, Ci.
	19	19.9	765.20	30.026	40.	46.5	43.1	.256	39.1	83.9	WSW.	.20	..	1.0	S., hazy.
	20	19.6	765.20	30.028	40.	45.	42.5	.260	39.5	88.7	WSW.	.20	..	1.0	S., hazy.
	21	19.4	765.20	30.029	39.9	44.1	42.1	.262	39.7	92.6	WSW.	.20	..	1.0	S., hazy.
	22	19.9	765.15	30.024	40.5	44.	42.	.261	39.6	92.5	WSW.	.20	..	1.0	Hazy.
	23	18.3	764.80	30.018	41.	44.	42.4	.269	40.5	94.3	WSW.	.20	..	1.0	S.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Ob'd height, millimetres.	Corr. height, inches.	Thermometers, Fah. Dew point.	Dry.	Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
25	0	19.4	764.85	30.016	42.5	45.5	43.9	.285	42.2	96.5	WSW.	.20	..	1.0	S.
	1	18.2	764.60	30.011	40.2	45.5	44.	.287	42.4	95.4	WSW.	.20	..	1.0	S.
	2	18.8	763.60	29.968	42.	45.7	43.5	.274	41.	97.8	WSW.	.15	..	1.0	N.; 2*h*. 2*m*., began to rain.
	3	19.4	763.05	29.944	43.	46.2	44.5	.290	42.7	95.9	WSW.	.15	..	1.0	S.
	4	20.4	763.60	29.962	42.	45.5	44.	.287	42.4	96 7	WSW.	.15	..	1.0	S.
	5	20.2	762.75	29.929	42.8	45.7	44.4	.293	41.9	98.3	WSW.	.15	..	1.0	S., Cu s.
	6	19.9	762.55	29.922	42.8	45.5	44.2	.291	42.8	98.8	WSW.	.15	..	1.0	Ci-s., S., Cu s., Cu., *WSW.*
	7	19 8	762.30	29.914	43.5	47.	45.7	.307	44.3	97.	WSW.	.10	..	1.0	Ci., S., Cu., *SW.*
	8	19.2	762.20	29.912	45.6	49.4	47.7	.326	46.	96.7	WSW.	.10	..	1.0	S., N., Cu-s., *SW.*; 8*h*., began to rain.
	9	18.8	762.00	29.905	47 6	51.5	49.7	.350	48.1	97.	SW.	.60	.005	1.0	S., N., raining, *WSW.*
	10	19.	762.00	29.905	48.6	52.4	50.6	.361	49.	97.	SSW.	.90	.001	1.0	S., *WSW.*
	11	18.9	761.65	29.892	49.1	53.2	51.3	.369	49.7	96.7	SSW.	.70	..	1.0	S., Cu s., *WSW.*
	12	19.4	761.30	29.876	48.3	54.1	51.7	.369	49.7	94.8	SSW.	1.40	..	1.0	S., Cu-s, *WSW.*
	13	20.1	760.75	29.853	50.	55.9	52.8	.376	50.2	93.9	SSW.	1.25	..	1.0	S, Cu s., *WSW.*
	14	20.9	760.70	29.816	50.4	56.3	53.2	.381	50.6	94.	SW.	1.20	..	1.0	S., Cu-s.
	15	21.6	761.05	29.855	51.7	57.3	54.6	.407	52.5	93.8	SW.	.70	..	1.0	S., Cu-s.
	16	22.1	761.20	29.858	51.4	56.7	54.1	.400	52.	94.2	SW.	.15	..	1.0	S., Cu-s.
	17	22.1	761.65	29.876	51.	54.6	53.7	.413	53.	96.2	SW.	.05	..	1.0	S, Ci-s., Cu-s, Ci.
	18	21.9	761.65	29.878	49.1	52.	50.6	.365	49.3	98.	SW.	..	..	1.0	S., Ci s., Ci.
	19	21.5	762.50	29.914	47 9	49.8	49.	.352	48.3	99.	SW.	..	..	..	Clear.
	20	21.6	763.00	29.934	48.8	50.	49.4	.359	48.8	99.	SW.	..	..	1.0	Thick haze.
	21	21.6	763.75	29.961	45.	47.4	46.2	.315	45.	97.8	SW.	..	..	1.0	Hazy.
	22	20.9	763.90	29.971	45.	46.6	45.6	.310	44.6	97.8	SW.	..	..	.5	S.
	23	19.9	763.75	29.969	45.	48.	47.	.326	46.	98.5	SW.	..	..	.4	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
26	0	19.9	763.85	29.973	45.9	49.	46.5	.303	43.9	92.9	W.	..	..	.8	Ci-cu., S.
	1	20.8	764.25	29.985	44.	48.4	45.7	.292	42.9	92.	NW.	.40	..	1.0	S.
	2	21.7	764.60	29.995	44.	48.	44.5	.270	40.6	88.	NW.	.40	..	1.0	S.
	3	21.	764.55	29.996	43.	47.6	43.4	.251	38.4	88.4	NW.	.40	..	1.0	S.
	4	22.1	765.95	30.047	42.	46.5	42.4	.240	37.2	84.	NW.	.40	..	1.0	Ci., S.
	5	21.5	764.50	29.993	38.5	45.5	41.5	.234	36.5	85.4	NNW.	.40	..	1.0	S.
	6	20.2	764.75	30.008	37.	45.2	40.9	.225	35.4	84.2	NNW.	1.00	..	1.0	Cu., S.
	7	20.	765.00	30.018	34.8	44.	39.4	.207	33.1	82.4	N.	1.40	..	1.0	S.
	8	19.3	765.10	30.025	34.5	43.2	39.2	.211	33.6	83.	N.	1.20	..	1.0	S.
	9	19.	764.95	30.021	34.7	43.6	39.4	.211	33.6	81.2	N.	.70	..	1.0	Cu., Cu-s., S.
	10	17.2	764.75	30.022	33.9	44.6	39.5	.202	32.4	79.2	N.	.90	..	1.0	Cu., Cu-s., S.
	11	18.	764.45	30.003	34.8	45.1	40.2	.211	33.6	79.8	NNE.	.75	..	1.0	Cu-s., S. [ing.
	12	18.1	764.10	29.993	35.3	45.2	40.6	.219	34.7	80.6	NNE.	.75	..	1.0	Cu-s., S.; 12*h*. 12*m*., commenced rain-
	13	18.9	763.35	29.958	35.2	44.8	40.5	.221	34.9	81.6	NNE.	.60	..	1.0	Cu-s., S.
	14	19.5	763.00	29.942	36.4	44.8	40.4	.219	34.7	81.1	N.	.75	..	1.0	Cu s., S.
	15	19.9	763.10	29.943	36.7	44.6	40.6	.225	35.4	82.5	NNE.	.75	..	1.0	N., raining.; 15*h*., commenced raining.
	16	20.	762.95	29.937	36.8	44.6	40.7	.227	35.7	82.8	NNE.	.50	.001	1.0	S., Cu-s. [ing.
	17	20.	762.55	29.922	36.3	43.6	39.8	.220	34.8	83.6	NNE.	.45	..	1.0	S., Cu-s.; 17*h*. 20*m*., commenced rain-
	18	19.6	762.40	29.918	37.8	42.9	40.4	.240	37.3	89.2	NE.	.38	.005	1.0	N.
	19	19.2	762.15	29.910	37.2	42.1	39.5	.231	36.2	89.3	NE.	.35	..	1.0	S.
	20	19.	761.80	29.898	35.5	42.	38.6	.214	34.	88.	NE.	.45	..	1.0	S.
	21	19.1	761.75	29.895	35.2	41.7	38.5	.215	34.1	88.2	NE.	.54	..	1.0	S.
	22	18.8	760.65	29.852	36.5	42.	38.2	.205	32.8	86.3	NE.	.54	..	1.0	N.; 22*h*. 10*m*., commenced raining.
	23	17.6	760.20	29.842	36.7	41.6	38.	.207	33.	88.3	NE.	.40	..	1.0	N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
27	0	17.3	758.95	29.791	36.	40.5	38.5	.229	35.9	91.9	NNE.	.60	..	1.0	N.
	1	17.4	758.05	29.757	37.	39.1	37 9	.233	36.4	97.	NNE.	1.20	.060	1.0	N.
	2	18.2	757.45	29.730	36.	39.1	38.	.234	36.5	98.	NNE.	1.30	.080	1.0	N., raining.
	3	19.	756.30	29.681	38.	39.5	38.5	.240	37.3	98.5	NNE.	1 80	.020	1.0	N., raining.
	4	19.1	754.20	29.600	38.5	39.5	39.	.249	38.3	99.	NE.	2.00	.080	1.0	N., raining.
	5	18.8	752.35	29.528	39.8	40.7	40.2	.260	39.5	98.8	ENE.	2.20	.015	1.0	N., raining.
	6	18.5	752.10	29.520	40.5	42.	41 6	.276	41.2	98.8	NNE.	1.20	.050	1.0	N., raining.
	7	18.7	751.20	29.484	42.8	44.	43.5	.294	43.1	98.6	NNW.	1.60	.045	1.0	N., raining.
	8	18.9	750.40	29.451	45.	46.2	45.7	.317	45.2	98.6	N.	1.10	.065	1.0	N., raining, *S.*
	9	19.8	750.70	29.470	46.5	47.7	47.2	.334	46.8	98.2	NNE.	.65	.065	1.0	N., raining, *N.*
	10	19.8	751.35	29.485	45.3	46.8	46.1	.319	45.4	98.	NW.	.45	.015	1.0	N., raining.
	11	20.2	751.50	29.488	45.5	47.5	46.4	.318	45.3	97.	NW.	.45	.001	1.0	N., S.
	12	20.5	751.30	29.478	46.	48.5	47.1	.323	45.8	97.1	WNW.	.20	..	1.0	Cu-s., S., *W.*
	13	21.	751.70	29.492	46.4	50.1	48.2	.330	46.4	95.4	W.	.25	..	1.0	Cu-s., S., *W.*
	14	21.3	752.00	29.503	45.8	50.8	48.2	.322	45.7	93.2	W.	.30	..	1.0	Cu-s, S.
	15	21.2	752.40	29.520	44.	50.1	46.7	.296	43.3	90.	W.	.50	..	.95	Cu-s., S., Cu.
	16	21.1	752.70	29.532	42.7	49.	45.5	.281	41.8	89.6	WNW.	.65	..	.8	Cu-s., Ci-cu., Cu, *WNW.*
	17	21.	753.05	29.545	43.7	48.7	46.1	.298	43.4	91.4	WNW.	.50	..	1.0	S., Cu s., Cu.
	18	20.8	753.00	29.544	43.6	48.1	45.9	.300	43.6	91.9	WNW.	.40	..	1.0	S., Cu s.
	19	20.4	754.25	29.597	40.4	47.	43.5	.260	39.4	89.	WNW.	.42	..	1.0	S.
	20	19.4	754.85	29.624	36.2	44.5	40.3	.220	34.8	88.9	WNW.	1.25	..	1.0	S., hazy.
	21	19.	755.05	29.624	37.3	44.6	41.5	.244	37.7	88.3	WNW.	.60	..	1.0	S.
	22	18.8	756.20	29.677	37.	44 6	41.	.235	36.7	87.5	WNW.	.80	..	1.0	S.
	23	18.7	756.70	29.699	35.	43.2	39.6	.231	34.9	87.	WNW.	.95	..	.4	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
28	0	18.	757.25	29.724	34.4	40.6	38.5	.227	35.7	88.3	WNW.	.75	..	.3	S.
	1	18.6	758.15	29.756	35.3	40.7	37.9	.214	31.	88 9	WNW.	.7	..	.4	S.
	2	18.8	758.85	29.782	36.2	40.	37.5	.214	34.	90.1	?	?	..	.3	Ci-s.
	3	18.	758.25	29.763	36.2	39.7	37.2	.212	33.8	89.9	?	?	..	.4	S.
	4	18.	758.90	29.789	35.4	39.7	37.	.208	33.2	89.1	NW.	?	..	.2	S.
	5	18.8	761.45	29.884	35.2	39.9	37.8	.222	35.1	88.3	NW.	.4	..	.4	S.
	6	18.5	762.00	29.907	32.3	37.3	35.5	.204	32.7	91.	NW.	..	..	1.0	S., Ci-s.
	7	18.2	762.75	29.938	34.	37.5	36.1	.214	34.	93.2	NW.	..	..	1.0	S., Cu-s.
	8	18.2	763.55	29.969	34.5	40.5	38.2	.222	35.1	90.1	NW.	..	..	1.0	Cu., S., Cu-s.
	9	18.1	764.20	29.996	36.7	43.1	40.1	.231	36.2	88.2	NW.	..	..	.9	S., Ci-s., Ci-cu., *S.*
	10	18.2	764.05	29.989	34.2	44.3	39.5	.206	32.9	84.	NW.	.3	..	.85	S., Ci-s., Ci-cu., *S.*
	11	19.7	764.25	29.991	35.6	46.1	41.1	.219	34.7	82.3	NNW.	1.4	..	.3	S., Cu., Ci cu., *SSW.*
	12	19.2	764.25	29.993	35.5	46.8	41.4	.218	34.5	80.7	NNW.	1.8	..	.75	S., Cu., Ci cu , *S.*
	13	20.4	764.20	29.986	35.7	49.2	42.7	.217	34.4	78.7	NNW.	.9	..	.5	S., Cu., Ci-cu., *S.*
	14	20.5	764.35	29.990	35.5	50.	43.	.215	34.1	76.	N.	1.3	..	1.0	Hazy, Cu., Ci-cu., *S.*
	15	20.3	764.65	30.004	33.	50.6	42.2	.191	30.8	73.6	NNE.	.9	..	1.0	Hazy, Cu., Ci-cu., *S.*
	16	20.2	764.95	30.015	33.7	49.8	42.4	.204	32.7	73.1	NE.	.75	..	1.0	Hazy, Cu., Ci-cu.
	17	19 8	765.20	30.026	33.5	47.6	41.1	.201	32.2	76.6	NNE.	.4	..	1.0	S., hazy, Ci., Ci s.
	18	19.	765.40	30.038	33.9	45.3	40.5	.214	34.	80.2	NNE.	.4	..	1.0	S., hazy.
	19	18.	765.60	30.050	34.3	42.	38.6	.213	33.9	85 2	NNE.	4	..	1.0	Hazy.
	20	17.8	765.60	30.041	34.3	40.5	37.6	.210	33.5	86.9	NE.	.4	..	.6	Hazy.
	21	18.1	765.90	30.062	33.9	39.5	36.7	.203	32.5	87.9	NE.	.15	...	.4	Hazy.
	22	18.5	765.95	30.061	33.	39.2	36.3	.199	31.9	88.3	NE.	.3	..	.3	Hazy.
	23	18.5	766.20	30.073	32.8	37.5	35.5	.203	31.8	89.5	NE.	.3	..	.2	S. in Hor.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
30	0	16.2	765.75	30.067	36.5	37.5	37.	.232	36.3	98.5	SW.	..	..	..	Clear.
	1	16.8	766.75	30.104	36.	36.8	36.2	.224	35.3	98.9	SW.	..	..	..	Clear.
	2	17.2	766.90	30.107	35.2	36.5	35.8	.220	34.8	98.5	SW.	..	..	..	Clear.
	3	18.	767.50	30.127	35.	36.5	35.9	.222	35.1	99.2	SW.	..	..	..	Clear.
	4	18.	767.50	30.127	35.2	36.8	36.4	.228	35.8	99.4	SW.	..	..	1.0	S., Ci., Cu., Ci s.
	5	17.7	767.30	30.120	36.3	37.7	37.2	.234	36.5	98.8	SW.	..	..	1.0	S.
	6	17.	767.35	30.126	36.8	38.6	38.	.239	37.1	98.7	SW.	..	..	1.0	S., Cu-s., *SW.*
	7	16.5	767.50	30.135	37.4	39.6	38.8	.244	37.7	98.5	SW.	..	..	1.0	Cu., S., Cu-s., *SW.*
	8	17.8	768.30	30.160	40.8	43.5	42.1	.268	40.4	94.9	SW.	..	..	1.0	Cu., S., Ci-cu., Cu-s., *SW.*
	9	18.6	768.60	30.166	41.9	46.6	44.7	.289	42.6	92 8	SW.	..	..	1.0	S., Ci-cu., Cu-s.
	10	18 9	768.15	30.148	42.1	47.	44.6	.283	42.	92.1	SW.	..	..	1.0	S., Ci-cu., Cu-s.
	11	19.4	767.90	30.136	45.3	49.6	47.3	.314	45.	93.	SW.	..	..	1.0	S.
	12	19.4	767.35	30.114	45.9	50.5	48.1	.323	45.8	92.9	SW.	.05	..	1.0	S.
	13	19.6	766.65	30.086	45.2	52.4	49.1	.323	45.8	89.4	SW.	.05	..	1.0	S., Cu., Cu-s.
	14	19.4	766.15	30.067	44.9	53.6	49.5	.321	45.6	87.7	SW.	.05	..	.9	S., Cu., Ci-cu, Cu-s.
	15	19.7	766.15	30.066	44.6	54.6	49.8	.317	45.2	85.2	SW.	.05	..	.5	S, Cu., Ci-cu., Cu-s., *WSW.*
	16	20.6	766.15	30 061	44.1	53.6	49.	.310	44.6	85.8	SSW.	.30	..	1.0	Hazy, Cu , Ci-cu.
	17	20.4	766.30	30.069	43.9	50.7	47.5	.307	44.3	87.7	SSW.	.30	..	1.0	Hazy, S., Cu., Cu-s.
	18	20.	766.65	30.084	43.2	46.	44.7	.296	43.2	90.7	SSW.	.30	..	1.0	Hazy, Ci., Cu., Cu-s.
	19	19.8	767.05	30.101	42.5	47.7	45.2	.289	42.6	92.6	SW.	.30	..	1.0	Hazy, Cu., Cu-s.
	20	19.3	767.40	30.117	31.8	48.5	41.5	.199	31.9	74.8	WNW.	.37	..	1.0	S., Cu., Cu-s.
	21	18.9	768.10	30.146	28.3	46.5	38.5	.160	25.9	70.6	WNW.	1.08	..	1.0	Hazy, S., Ci cu., Cu-s.
	22	18.	768.60	30.169	26.4	44.1	36.6	.150	24.1	?	NW.	*3.00	..	1.0	S., Cu., Cu s.
	23	17.4	768.55	30.170	23.	42.7	35.7	.147	23 5	70.2	NW.	1.80	..	1.0	Cu., Cu-s.

* Wind as high as 5 pounds during this hour.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
31	0	17.4	768.80	30.180	21.	41.5	35.2	.151	24.3	71.4	NW.	.4	..	1.0	S., Cu., Cu-s.
	1	17.2	768.00	30.150	28.	39.	33.	.139	22.	71.2	NW.	.8	..	..	Clear.
	2	16.8	769.00	30.191	30.	37.2	31.2	.133	21.6	72.4	NW.	.4	..	..	Clear.
	3	16.7	768.10	30.157	24.	36.	30.6	.135	19.8	72.7	NW.	.4	..	..	Clear.
	4	16.3	768.15	30.161	26.7	34.6	30.	.139	20.9	73.6	NW.	.4	..	..	Clear.
	5	15.9	770.05	30 236	20.6	33.	29.2	.141	21.6	75.4	NW.	.4	..	..	Clear.
	6	15.1	769.95	30.236	18.2	33.1	28.5	.129	18.8	74.5	NW.	.2	..	..	Clear.
	7	14.2	770.50	30.262	19.8	31.7	27.5	.127	18.5	77.1	NW.	.2	..	..	Clear.
	8	14.3	771.70	30.308	24.	34.7	30.5	.146	22.4	76.8	NW.	.2	..	1.0	Hazy.
	9	15.5	771.90	30.311	25.	37.5	31.3	.131	18.7	73.	NW.	.8	..	1.0	Hazy, S.
	10	15.8	772.05	30.315	31.5	38.5	32.5	.135	21.2	73.1	NW.	1.6	..	1.0	Hazy, S., Cu.
	11	17.1	772.15	30.313	26.3	39.7	33.1	.132	20.6	72.5	NW.	1.7	..	1.0	Hazy, Ci., Cu.
	12	17.	772.25	30.318	26.2	40.6	33.5	.129	20.	72.	NW.	1.4	..	1.0	Hazy, Cu.
	13	18.7	771.75	30 290	27.	41.9	34.5	.134	20.9	70.	NW.	1.0	..	1.0	Hazy, Cu.
	14	19.9	771.80	30.286	27.3	43.	35.2	.134	20.9	69.2	NW.	1.2	..	1.0	Hazy, Cu.
	15	20.	772.20	30.300	28.	43.7	35.8	.138	21.8	68.3	WNW.	1.2	..	1.0	Hazy, Cu., *WNW.*
	16	19.4	772.20	30.303	28.1	43.2	35.5	.138	21.8	68.3	NW.	1.3	..	1.0	Hazy, Cu.
	17	19.1	772.25	30.307	29.3	41.4	35.2	.152	24.5	70.2	NW.	.43	..	1.0	Hazy, S.
	18	18.1	773.05	30.344	28.4	39.5	34.	.151	24.3	71.7	NW.	.3	..	1.0	Hazy, S.
	19	17.6	773.25	30.355	27.8	37.7	33.	.153	24.6	74.8	NW.	.3	..	1.0	Hazy, S.
	20	17.5	773.40	30.361	29.2	35.5	32.2	.163	26.4	78.6	NW.	.3	..	..	Clear.
	21	17.4	773.75	30.375	28.5	34.7	31.5	.164	25.9	81.3	NW.	.3	..	..	Clear.
	22	17.3	773.60	30.371	24 5	32.3	29.6	.156	22 6	86.	NW.	.3	..	1.0	Hazy.
	23	16.7	773.30	30.362	25.	30.5	28.6	.158	25.	91.	NW.	.3	..	?	

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
1	0	16.	773.25	30.363	24.3	31.5	29.1	.156	24.6	81.4	NW.	.30	..	1.0	Hazy.
	1	16.3	773.55	30.372	....	29.6	27.8	.154	26.4	90.9	NNW.	..	..	1.0	Hazy.
	2	16.5	773.75	30.380	....	28.7	27.5	.158	25.3	92.5	NNW.	..	..	1.0	Hazy.
	3	15.9	773.90	30.389	24.1	28.1	26.9	.154	24.6	95.2	NNW.	..	..	1.0	Hazy.
	4	16.3	773.80	30.382	24.	28.	....	....	....	95.4	NNW.	..	..	..	Clear.
	5	15.7	773.95	30.392	22.8	27.	25.	.135	20.5	96.	NNW.	.40	..	..	Clear.
	6	15.7	774.10	30.397	21.2	27.3	24.5	.124	18.	94.2	NNW.	.30	..	1.0	Hazy.
	7	15.1	774.25	30.406	20.8	28.4	25.4	.127	18.6	92.	NNW.	.25	..	1.0	Ci., S., Ci-s.
	8	15.3	774.65	30.421	25.	32.2	29.2	.150	23.4	89.9	N.	.30	..	1.0	Ci., S., Ci s.
	9	15.2	774.45	30.413	28.7	35.5	32.	.159	25.7	87.6	NNE.	.75	..	1.0	Hazy, Cu., Ci-s.
	10	14.8	774.25	30.407	27.5	38.4	34.4	.171	27.7	85.6	NE.	.80	..	1.0	Ci cu., hazy, Cu., Ci-s., *E.*
	11	15.7	773.80	30.386	31.5	41.3	37.7	.203	32.5	85.9	ENE.	.80	..	1.0	Ci-cu., hazy, Cu., Ci., *E.*
	12	17.	773.80	30.310	34.2	44.1	39.7	.212	33.7	84.	E.	.50	..	1.0	Hazy, Cu., Ci.
	13	18.4	771.90	30.297	38.4	49.5	44.3	.248	38.2	82.9	ESE.	.80	..	1.0	Hazy, Cu., *SE.*
	14	18.3	771.10	30.265	38.	50.8	44.7	.242	37.5	80.	ESE.	1.00	..	1.0	Ci-cu., hazy, Cu., *SW.*
	15	18.7	770.45	30.238	37.5	49.9	44.1	.239	37.1	80.5	ESE.	1 40	..	1.0	Cu., *SW.*
	16	19.	770 05	30.221	38.2	48.9	44.	.248	38.2	81.8	ESE.	1 50	..	1.0	Cu., *SW.*
	17	19.	769.45	30.198	37.6	47.5	42.7	.235	36.6	84.	ESE.	1.50	..	1.0	S., Cu., Cu-s.
	18	18.5	769.35	30.195	38.2	46.5	42.6	.245	37.8	85.3	ESE.	.50	..	1.0	S., Cu., Cu s.
	19	17.1	769.00	30.190	38.	46.2	42.6	.235	36.6	85.8	E.	.20	..	1.0	S., Cu s.
	20	18.	768.10	30.151	37.9	45.7	42.	.241	37.4	87.7	ENE.	.45	..	1.0	S.
	21	18.6	767.30	30.116	39.4	45.7	42.5	.252	38.6	90.8	ENE.	.45	..	..	S., Cu s.
	22	18.9	766.10	30.067	41.	46.4	43.9	.275	41.1	94.4	ENE.	.45	..	1.0	N.; 22*h.* 34*m.*, raining.
	23	19.	765.05	30.025	43.	47.5	45.5	.297	43.3	96.5	NNE.	.50	..	1.0	N.

Date. Day.	Hour.	Barometer. Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Thermometers, Fah. Dew point.	Dry.	Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
22	0	18.9	764.10	29.988	44.4	48.	46.6	.317	45.2	97.	NNW.	.45	.080	1.0	N.
	1	19.8	762.35	29.916	46.	48.	47.1	.328	46.2	98.	NNE.	.50	.035	1.0	N., raining.
	2	21.1	761.40	29.872	46.8	48.8	48.	.340	47.3	98.	NE.	.50	.030	1.0	N., raining.
	3	21.	760.00	29.817	48.1	50.2	49.3	.355	48.5	97.8	NNW.	.40	.090	1.0	N., raining.
	4	20.8	760.10	29.824	47.	46.4	45.6	.312	44.8	97.8	NW.	1.60	.540	1.0	N., raining.
	5	21.2	760.55	29.839	45.5	46.7	46.	.318	45.3	98 3	NW.	1.00	.190	1.0	N., raining.
	6	21.8	760.10	29.818	45.2	47.2	46.2	.317	45.2	98.	NW.	.50	.105	1.0	N., raining.
	7	21.2	759.80	29.809	45.	47.1	46.	.314	45.	97.	?	.45	.020	1.0	Cu., Cu-s., Ci s., *SW.*
	8	21.5	760.15	29.822	45.	48.7	46.3	.302	43.8	93.8	WNW.	.40	..	1.0	Cu., hazy, *NW.*
	9	20.7	760.05	29.821	41.8	48.8	44.5	.261	39.6	87.	WNW.	*3.00	..	.4	Cu., hazy, *NNW.*
	10	20.4	760.00	29.821	41.9	49.1	44.9	.266	40.2	87.	WNW.	3.80	..	.9	Cu., *NNW.*
	11	20.8	760.05	29.820	43.2	50.7	45.2	.255	39.	83.7	WNW.	3.00	..	.6	Cu., *NNW.*
	12	19.9	759.85	29.816	42.3	51.2	45.3	.252	38.6	81.2	WNW.	2.00	..	1.0	Cu., hazy, *NNW.*
	13	20.5	759.30	29.791	42.	52.6	45.6	.243	37.6	78.2	WNW.	2.10	..	1.0	Cu., hazy, *NNW.*
	14	20.7	759.25	29.789	40 1	52.6	45.2	.234	36.5	76.	WNW.	2.00	..	1.0	Cu., hazy.
	15	20.9	759.30	29.790	40.2	52.1	44.9	.232	36.3	75.9	WNW.	1.80	..	1.0	Cu., Ci-cu., hazy, *NW.*
	16	20.9	759.35	29.792	39.	51.9	44.6	.228	35.8	75.1	WNW.	.80	..	1.0	Cu., hazy.
	17	20.6	760.65	29.845	36.4	48 4	43.3	.240	37.2	75.9	W. *	.75	..	1.0	S., hazy.
	18	20.4	760.85	29.855	36.2	47.5	42.5	.232	36.3	?	W.	.26	..	1.0	Hazy.
	19	20.	760.05	29.824	37.2	44.3	40.6	.229	35.9	82.7	W.	.26	..	..	Clear.
	20	19.9	760.30	29.834	35.3	40.	37.6	.217	34.4	89.7	W.	.26	..	1.0	Hazy.
	21	19.7	760.45	29.842	35.	40.8	37.9	.214	34.	93.	W.	.26	..	1.0	Ci., Cu-s.
	22	19.9	760.50	29.842	35.3	39.9	38.2	.229	35.9	94.2	WSW.	.26	..	1.0	S., Ci-s., hazy.
	23	18.5	761.00	29.868	35.	45.7	40.5	.212	33.7	83.9	W.	.50	..	1.0	S., Ci-cu., Cu.

* As high during this hour as five pounds.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr. Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
3	0	19.7	761.60	29.887	34.6	44.1	39.7	.211	35.3	84.5	NW.	1.3	..	.7	Cu., Ci cu.
	1	19.3	762.15	29.913	35.	43.	36.5	.162	26.2	76.9	NW.	1.5	..	..	Clear.
	2	18.8	762.60	29.929	33.8	41.2	34.8	.148	23.7	73.8	NW.	2.1	..	..	Clear.
	3	18.2	763.25	29.957	32.1	39.6	34.2	.155	25.	75.	WNW.	.9	..	..	Clear.
	4	17.8	763.75	29.980	32.2	38.5	33.1	.145	23.1	75.9	WNW.	.9	..	1.0	Hazy.
	5	17.3	764.35	30.006	26.5	37.2	32.7	.153	24.6	78.5	W.	.8	..	..	Clear.
	6	17.	764.75	30.024	25.5	36.	32.	.153	24.6	80.4	W.	.5	..	..	Clear.
	7	16.8	765.30	30.046	27.8	35.7	32.7	.170	27.6	83.3	W.	.4	..	1.0	Hazy.
	8	16.8	765.80	30.066	26.5	37.7	33.	.153	24.6	79.	W.	.4	..	1.0	Hazy.
	9	16.5	765.75	30.066	26.	38.9	33.	.140	22.2	75.8	WNW.	2.0	..	1.0	Hazy.
	10	16.1	765.65	30.063	26.1	39.5	33.3	.138	21.8	74.3	*WNW.	2.6	..	1.0	Hazy.
	11	16.4	765.50	30.056	27.3	41.	34 3	.140	22.2	73.9	WNW.	2.1	..	1.0	Hazy, Cu.
	12	15.7	765 05	30,041	27.4	42.	34.8	.138	21.9	72.2	WNW.	2.0	..	1.0	Hazy, Cu.
	13	18.	765.10	30.032	26.8	42.9	35.6	.143	22.8	71.2	WNW.	2.2	..	1.0	Hazy, Cu.
	14	18.4	765.00	30.026	27.8	43.5	36.	.145	23.1	70.3	WNW.	1.9	..	1.0	Ci cu., hazy, Ci., Cu., *WNW.*
	15	18.4	765.05	30.028	27.5	43.3	35.7	.140	22.2	69 6	WNW.	2.0	..	1.0	Ci cu., hazy, Ci., Cu., *WNW.*
	16	18.4	765.15	30.032	27.4	42.7	35 3	.140	22.2	69.9	WNW.	2.0	..	1.0	Ci-cu., hazy, Cu., *WNW.*
	17	18.	765.75	30.058	28.	40.7	34.5	.147	23.5	70.7	WNW.	.95	..	1.0	S., hazy, Ci s., Ci., Cu., Ci-cu.
	18	17.4	766.15	30.076	30.4	38.	34.4	.176	28.5	73.4	WNW.	.3	..	1.0	S., hazy, Ci-s., Ci., Cu., Ci-cu.
	19	17.	766.55	30.095	27.9	38.	33.1	.153	24.6	74.2	WNW.	.3	..	1.0	S., hazy, Ci s., Ci., Ci-cu.
	20	17.	766.70	30.101	26.8	37.2	31.8	.136	21.5	73.8	WNW.	.3	..	1.0	S.
	21	17.5	766.95	30.108	26.6	35.	30.9	.145	23.2	74.5	WNW.	.24	..	.3	S., Ci s.
	22	16.9	767.00	30.112	25.3	35.	31.	.147	23.5	75.3	WNW.	.24	..	.3	Ci s.
	23	17.3	767.30	30.122	27.3	32.5	30.5	.167	27.	80.8	WNW.	..	..	.6	Ci-s.

* Wind during the remainder of the day was from N. to WNW.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
4	0	16.8	767.30	30.125	26.8	32.1	29.4	.155	24.3	83.2	WNW.	..	..	.8	S.
	1	16.4	767.25	30.125	....	33.1	29.1	.139	22.	80.8	WNW.	.40	..	1.0	S.
	2	16.	767.15	30.122	....	32.8	29.2	.143	22.7	81.4	WNW.	1.40	..	1.0	S.
	3	15.4	767.20	30.128	28.3	31.5	28.8	.151	24.3	81.4	NW.	.40	..	1.0	Hazy.
	4	15.	767.30	30.133	26.3	31.9	28.1	.134	21.	81.5	NW.	.40	..	1.0	Hazy.
	5	14.	767.40	30.142	24.	30.6	28.1	.148	23.7	83.8	NW.	.40	..	.5	S.
	6	13.8	767.55	30.149	23.	30.7	27.6	.139	22.	83.2	NW.	.20	..	1.0	Ci-s., S., Ci-cu., *NW.*
	7	13.6	767.80	30.160	24.3	31.	....	....	....	84.6	NW.	.20	..	1.0	Cu., S., Ci., *WNW.*
	8	13.3	767.95	30.167	24.	32.2	28.6	.140	22.2	83 8	NW.	.20	..	1.0	Cu., Ci s.
	9	13.3	767.85	30.163	26.5	35.9	31.7	.154	26.7	83.8	NW.	.10	..	1.0	Hazy, S., Ci s , Ci., Ci-cu.
	10	13.8	767.80	30.159	25.7	37.3	32.	.145	23.2	80.5	NW.	.35	..	1.0	Hazy, S., Ci-s., Ci., Ci-cu.
	11	14.8	767.25	30.137	27.	38.9	34.2	.161	26.	80.	NNW.	.35	..	1.0	S., Ci-cu.
	12	15.6	766.55	30.101	25.6	40.5	31.9	.157	25.4	76.3	NNW.	.20	..	1.0	S., Ci-cu., *WSW.*
	13	17.	766.65	30.099	24.7	41.1	35.	.153	24.6	73.2	NW.	.10	..	1.0	S.
	14	17.3	766.35	30.085	23.5	40.5	34.2	.143	22.8	72.3	NW.	.05	..	1.0	S., Cu s.
	15	17.2	766.00	30.071	24.2	39.6	34.6	.162	26.2	73.5	WNW.	.05	..	1.0	S., Cu-s.
	16	16.6	766.05	30.076	23.5	39.6	34.3	.156	25.2	74.	WNW.	..	..	1.0	S., Cu s.
	17	16.6	766.05	30.076	24.2	39.	34.	.157	25.3	74.4	WNW.	..	..	1.0	S.
	18	17.	766.25	30.083	24.7	38.1	34.1	.165	26.7	79.3	WNW.	..	..	1.0	S.
	19	17.	766.25	30.083	26.	38.3	34.3	.170	27.6	78.	WNW.	..	..	1.0	S.
	20	17.	766.10	30.089	26.4	36.7	34.	.183	29.6	79.6	N.	.35	..	1.0	S.
	21	17.4	766.95	30.108	27.	36.4	32 5	.160	25.9	80.5	N.	.60	..	1.0	S.
	22	18.3	767.20	30.113	27.	36.2	31.5	.144	23.	78.4	N.	.40	..	1.0	S.
	23	18.1	767.30	30.119	24.1	35.2	31.1	.148	23.8	78.9	N.	.45	..	1.0	S., Ci.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
7	0	16.3	766.00	30.076	31.3	34.1	32.6	.186	30.1	96.5	W.	.35	..	1.0	S.
	1	16.2	765.85	30.071	31.	33.7	32.5	.180	29.1	96.8	W.	.35	..	1.0	S.
	2	17.1	765.45	30.049	30.8	33.3	31.5	.178	28.5	96.2	W.	.35	..	1.0	S.
	3	16.8	765.20	30.042	30.6	32.5	31.	.177	28.6	96.	WNW.	.35	..	1.0	S.
	4	16.4	764.55	30.018	30.2	32.3	30.5	.170	27.6	94.5	NW.	.35	..	1.0	S.
	5	16.4	764.05	29.999	26.	32.	29.6	.159	25.7	92.9	N.	.30	..	1.0	S., Cu-s.
	6	16.5	763.85	29.991	25.8	31.8	29.7	.163	26.4	92.4	NNE.	.40	..	1.0	S., Cu-s.
	7	16.2	763.95	29.996	26.	32.4	30.7	.173	28.	92.4	NE.	.40	..	1.0	S., Cu-s.
	8	16.1	763.75	29.988	26.5	33.	30.5	.164	26.6	91.5	NE.	.40	..	1.0	S., Cu-s.
	9	15.8	763.50	29.979	26.	33.7	31.2	.169	27.4	91.	NE.	.35	..	1.0	S., Ci-cu.
	10	15.7	763.15	29.966	27.2	35.4	32.3	.166	26.9	90.	NE.	.20	..	1.0	S., Ci-cu.
	11	15.6	762.95	29.958	27.3	36.1	32.7	.165	26.7	87.9	NE.	.40	..	1.0	S.
	12	16.3	762.50	29.938	27.2	36.2	32.7	.164	26.6	87.	NE.	.35	..	1.0	S.; 12*h*. 18*m*., commenced snowing.
	13	16.5	762.20	29.926	31.6	34.	32.8	.192	30.9	95.6	NNW.	.35	..	1.0	S., snowing.
	14	17.2	761.60	29.898	32.8	34.6	33.7	.202	32.4	98.1	NW.	..	..	1.0	S., snowing.
	15	17.	761.40	29.892	32.4	34.1	33.3	.200	32.1	98.1	NW.	..	..	1.0	S., snowing.
	16	16.8	761.55	29.899	32.4	34.	33.2	.199	32.	98.3	NW.	..	..	1.0	S., snowing.
	17	17.	761.35	29.890	32.	33.4	32.6	.195	31.5	99.2	NW.	..	..	1.0	S., snowing.
	18	17.	761.65	29.902	32.2	33.1	32.5	.196	31.6	98.7	NW.	..	..	1.0	S., Cu-s.; 18*h*., stopped snowing.
	19	16.6	761.65	29.903	32.2	33.	32.6	.200	32.1	97.	NW.	..	..	1.0	S., Cu-s.
	20	16.1	761.65	29.906	32.5	33.5	33.1	.203	32.5	96.8	NW.	..	..	1.0	S., Ci-cu., hazy.
	21	14.5	761.50	29.908	31.	32.9	31.6	.184	29.8	96.7	NW.	..	..	.5	S., Ci-cu.
	22	14.9	761.60	29.909	31.2	34.6	32.6	.184	29.8	92.8	NW.	.10	..	1.0	S., Cu., Cu-s.
	23	14.9	761.50	29.908	30.1	33.4	31.8	.182	29.5	92.	NW.	.60	*.094	.2	S., Cu.

* Total snow.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
8	0	15.7	761.45	29.900	29.	32.5	31.	.177	28.7	89.9	NW.	.35	..	.4	S., Cu-s.
	1	15.7	761.20	29.890	30.	33.6	31.	.166	26.9	89.	NW.	.35	..	.3	S., Cu-s.
	2	15.3	761.15	29.890	28.	....	....	....	....	90.5	WNW.	.35	..	1.0	S., Ci-cu.
	3	15.	761.00	29.885	26.	32.4	30.7	.173	28.	93.1	WNW.	.35	..	.5	S., Ci cu.
	4	14.5	*761.00	29.849	27.2	33.	31.4	.179	29.	93.4	WNW.	.35	..	.4	S., Ci-cu.
	5	14.6	761.30	29.899	28.9	34.4	32.3	.178	28.8	92.	WNW.	.35	..	.4	S.
	6	14.7	761.65	29.913	29.	34.9	32.7	.179	29.	92.	WNW.	.50	..	1.0	S., Cu-s., Ci-cu., *WNW.*
	7	14.1	761.90	29.926	29.5	35.	32.8	.180	29.1	92.	WNW.	.40	..	1.0	Ci-s., Cu s., Ci cu., *NNW.*
	8	14.4	762.20	29.935	30.5	37.2	34.4	.186	30.1	90.	W.	.40	..	1.0	Cu., S., Cu-s.
	9	15.7	762.45	29.939	32.	38.6	35.4	.189	30.5	87.9	W.	.85	..	1.0	Cu., hazy, Ci cu.
	10	16.7	762.50	29.936	32.4	40.7	36.5	.187	30.2	84.7	W.	1.30	..	1.0	Cu., hazy, Ci-cu., *WNW.*
	11	16.6	762.40	29.932	32.9	42.1	37.	.181	29.3	81.	WNW.	2.30	..	1.0	Cu s., Cu., *WNW.*; 11*h.* 21*m.*, rained
	12	15.9	762.05	29.922	30.	41.8	35.8	.161	26.	77.9	WNW.	3.00	..	1.0	Cu-s., Cu., *WNW.* [hard for 2*m.*
	13	15.4	761.85	29.918	30.	41.7	35.8	.162	26.2	76.8	WNW.	3.00	..	1.0	Cu-s., Cu., *WNW.*
	14	16.1	762.00	29.919	28.3	42.6	36.	.156	25.2	73.1	WNW.	3.30	..	1.0	Cu s., Cu.
	15	16.	762.45	29.938	28.7	42.8	36.4	.161	26.	72.8	WNW.	2.80	..	.3	Cu-s., Cu.; 15*h.* 44*m.*, snowing for 3*m.*
	16	15.6	763.25	29.970	29.6	40.	35.5	.176	28.5	78.7	WNW.	2 30	..	.4	Cu-s., Ci cu., Cu.
	17	15.	764.40	30.019	30.	37.6	34.	.173	28.1	82.6	NW.	2.10	..	1.0	Cu-s., hazy, Cu.
	18	14.9	765.00	30.042	30.1	36.5	33.3	.173	28.1	86.3	NW.	1.20	..	1.0	Cu-s., hazy, S.
	19	14.8	765.45	30.062	30.	36.1	33.	.172	27.9	85.9	NW.	.45	..	1.0	Hazy, S.
	20	15.	765.95	30.080	29.5	35.9	32.6	.166	26.9	86.2	WNW.	.45	..	1.0	Cu s., hazy, Cu., S.
	21	14.9	766.80	30.114	29.3	36.2	31.2	.139	22.	79.3	WNW.	.55	..	.4	Cu-s., Cu., S.
	22	14.4	767.10	30.128	26.1	35.	30.	.131	20.4	72.	NNW.	1 20	..	.4	Cu-s., S., *NNW.*
	23	14.	767.05	30.128	29.6	32.6	29.6	.153	24.6	79.8	NNW.	.45	..	.8	Cu s., Cu., S., *NNW.*

* Registered 760.00.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
9	0	13.5	767.00	30.128	27.8	34.1	30.5	.152	23.9	79.	NNW.	.40	..	.5	S., Cu., Cu-s.
	1	13.3	767.00	30.129	27.2	32.7	29.3	.146	23.3	80.4	NNW.	.20	..	.5	S., Cu.
	2	13.2	767.00	30.129	26.8	31.6	29.1	.155	25.	83.2	NNW.	.20	..	.3	S., Cu.
	3	13.3	767.05	30.131	24.	31.5	29.	.154	24.8	85.4	WNW.	.20	..	1.0	Hazy.
	4	13.2	767.55	30.151	24.4	29.1	28.	.162	26.2	87.5	WNW.	.20	..	1.0	Hazy.
	5	12.5	768.15	30.180	22.4	28.	....	....	....	88.4	WNW.	.20	..	1.0	S., Ci-s.
	6	12.2	768.10	30.179	23.	28.5	26.5	.144	23.	89.3	WNW.	..	..	1.0	S., Cu s.
	7	12.2	768.40	30.189	23.1	28.2	26.6	.148	23.8	91.5	WNW.	..	..	1.0	S., Cu-s., Ci s.
	8	12.3	769.05	30.214	26.	31.4	29.	.155	25.	88.9	WNW.	..	..	1.0	S., Ci., Ci-cu., Ci-s.
	9	12.3	769.25	30.222	26.5	36.	31.8	.155	25.	82.7	NW.	..	..	1.0	Hazy, Ci., Ci cu., Ci-s., S.
	10	12.8	769.45	30.228	28.1	38.2	33.4	.155	25.	78.8	NW.	.10	..	1.0	Hazy, Ci., Ci cu., Ci-s., S.
	11	13.4	769.00	30.207	27.7	39.1	33.8	.152	24.5	76.1	N.	.25	..	1.0	Hazy, Ci., Cu., S.
	12	13.1	768.30	30.183	28.5	40.6	35.1	.159	25.7	75.4	NNW.	.25	..	1.0	Hazy, Ci., S.
	13	14.7	767.65	30.149	29.	41.6	36.7	.179	29.	77.8	W.	.45	..	1.0	Cu-s., S.
	14	14.4	766.85	30.119	27.9	40.	35.6	.176	28.5	79.3	SW.	.50	..	1.0	Cu s., S.
	15	14.4	766.60	30.109	27.9	40.4	35.5	.170	27.5	79.2	SW.	.55	..	1.0	Cu-s., S.
	16	14.5	766 70	30.113	28.	39.5	35.1	.172	27.9	79.	SW.	.45	..	1.0	Ci-cu., Cu-s., S.
	17	14.8	766.30	30.096	29.5	36.5	33.	.167	27.1	81.8	WSW.	.30	..	1.0	Cu-s., S.
	18	14.5	766.30	30.097	30.	35.5	32.7	.172	27.9	85.5	WSW.	.10	..	1.0	Hazy, Cu-s., S.
	19	14.8	766.10	30.088	31.9	35.	33.5	.193	31.1	86.6	WSW.	.16	..	1.0	Hazy, Cu-s., S.
	20	15.	765.85	30.076	31.8	35.	33.5	.193	31.1	86.7	SW.	.10	..	1.0	Hazy, Cu-s., S.
	21	15.6	765.50	30.059	33.	36.7	34.4	.190	30.6	85.9	SSW.	.10	..	1.0	Cu-s., S.
	22	16.	765.35	30.051	33.5	36.6	35.1	.205	32.8	86.5	SW.	.10	..	1.0	S.; 22*h*. 14*m*., commenced snowing.
	23	16.1	765.20	30.045	34.	37.	35.4	.207	33.1	89.7	S.	.12	..	1.0	N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
10	0	16.5	764.40	30.013	33.1	35.6	34 3	.201	32.2	95.9	SSE.	.15	.010	1.0	N.,
	1	17.	763.70	29.982	34.6	36.6	35.5	.215	34.1	98.5	SSE.	.20	.015	1.0	N., raining.
	2	17.	762.90	29.951	34.	37.	36.2	.222	35.	99.8	SE.	.20	.025	1.0	N., raining.
	3	16.9	762.05	29.917	36.2	37.4	36.9	.231	36.2	99.5	SE.	.20	.025	1.0	N., raining.
	4	16.9	761.30	29.888	38.	39.2	38.3	.239	37.1	99.2	SE.	.20	.010	1.0	N., raining.
	5	16.3	760.80	29.872	40.	40.5	40.1	.261	39.6	99.	SE.	2.50	.010	1.0	N., raining.
	6	16.	760.35	29.855	40.7	41.6	41.1	.269	40.5	97.	SE.	.10	.003	1.0	N., raining.
	7	16.1	760.25	29.851	41.7	42.5	42.	.277	41.3	97.7	SE.	.10	.004	1.0	N., raining.
	8	16.2	760.50	29.861	42.5	44.3	43.7	.294	43.1	97.8	SE.	.15	.002	1.0	Heavy fog.
	9	16.	760.20	29.850	44.4	45.6	45.	.307	44.3	97.9	SE.	.10	..	1.0	S., foggy.
	10	16.	760.15	29.848	44.7	46.5	45.5	.309	44.5	97.6	S.	.25	..	1.0	S., foggy.
	11	16.2	760.20	29.849	45.	47.2	46.	.313	44.9	97.	WSW.	.30	..	1.0	S.
	12	16.5	760.05	29.842	45.9	48.2	46.8	.319	45.4	96.3	WSW.	.30	..	1.0	S.
	13	16.5	759.50	29.820	46.6	49.6	48.	.331	46.5	96.	W.	.10	..	1.0	S.
	14	17.2	759.45	29.813	46.8	51.3	49.2	.340	47.3	94.9	WSW.	..	..	1.0	S., hazy, Cu-s.
	15	18.3	759.95	29.828	47.	52.7	50.	.343	47.5	93.	WSW.	..	..	1.0	S., hazy, Cu-s.
	16	18.7	760.45	29.847	46.9	51.6	49.4	.341	47.4	94.2	SW.	..	..	1.0	S., hazy, Cu-s.
	17	19.5	760.70	29.853	45.4	48.	46.4	.312	44.8	96.4	SW.	.06	..	1.0	S., hazy, Cu s.
	18	19.6	761.25	29.873	44.	46.2	45.2	.306	44.2	98.5	SW.	..	..	1.0	S., hazy.
	19	19.6	761.30	29.875	41.8	44.	42.7	.275	41.1	98.4	SW.	..	..	1.0	S., hazy.
	20	19.5	761.45	29.882	44.2	45.	44.5	.303	43.9	98.8	SW.	..	..	1.0	S., hazy.
	21	20.	761.80	29.893	....	44.	43.	.282	41.9	97.4	SW.	..	..	1.0	S., hazy.
	22	19.4	761.75	29.904	40.2	40.9	40.3	.260	39.5	98.5	SW.	..	..	1.0	Heavy fog.
	23	18.5	762.05	29.909	38.	39.	38.5	.244	37.7	98.5	SW.	..	..	1.0	Heavy fog.

Date		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
1	0	....	.....	.....	....	....	....	....	....	....	SW.	..	..	..	
	1	....	.....	.....	....	....	....	....	....	....	SW.	..	..	..	
	2	....	.....	.....	....	....	....	....	....	....	SW.	..	..	..	
	3	....	.....	.....	....	....	....	....	....	....	SSW.	..	..	..	
	4	18.	759.60	29.816	39.8	41.5	40.	.247	38.1	98.5	SE.	.15	..	1.0	Heavy fog.
	5	18.1	759.00	29.792	40.6	41.4	41.	.270	41.2	98.	SE.	.60	..	1.0	Heavy fog.
	6	17.6	758.60	29.779	41.8	42.7	42.4	.284	42.1	97.8	ESE.	.40	..	1.0	Heavy fog.
	7	17.9	756.90	29.710	43.1	43.7	43.4	.295	43.1	97.	ESE.	.30	..	1.0	Heavy fog; 7*h*. 52*m*., began to rain.
	8	18.	756.45	29.692	44.4	44.8	44.6	.308	44.4	97.2	ESE.	.30	..	1.0	N., raining, foggy.
	9	17.8	755.60	29.661	46.9	47.8	47.4	.338	47.1	97.2	SE.	.35	.080	1.0	N., raining hard.
	10	17.6	753.25	29.570	47.5	49.	48.3	.344	47.6	97.	SE.	1.00	.150	1.0	N., raining hard.
	11	17.8	751.80	29.511	48.3	50.1	49.2	.353	48.4	97.	SE.	1.00	.260	1.0	N., raining hard. [ing.
	12	18.2	748.75	29.389	48.8	50.8	50.	.364	49.3	97.	ESE.	1.80	.265	1.0	N., raining hard; 12*h*. 35*m*., ceased rain-
	13	18.8	746.05	29.279	50.1	52.6	51.4	.379	50.4	96.	SE.	2.50	.285	1.0	N.
	*14	19.5	745.70	29.263	54.3	56.6	55.5	.438	51.7	96.5	N.†	.90	.205	.9	S., *W.*; Cu-s., *SW.*
	15	20.2	746.15	29.277	51.9	58.3	54.9	.404	52.3	92.2	W.	2.50	..	.9	Cu., *NW.*; Cu-s., *W.*
	16	20.	748.05	29.353	45.3	54.5	50.	.323	45.8	87.2	W.	‡6.00	..	.9	Cu., Cu-s.
	17	19.7	750.20	29.440	39.8	50.6	45.	.252	38.6	83.	WNW.	‡7.00	..	1.0	Hazy, Cu., Cu-s., *NW.*
	18	19.5	752.45	29.529	38.5	48.	43.3	.245	37.8	80.7	WNW.	4.80	..	1.0	Hazy, Cu., Cu s.
	19	19.	754.25	29.603	35.4	47.	41.5	.218	34.5	79.8	WNW.	5.70	..	..	S. in Hor.
	20	18.6	755.20	29.642	35.2	46.1	40.3	.203	32.5	77.8	WNW.	4.70	..	.2	S. in Hor.
	21	17.8	756.20	29.684	35.7	45.5	39.6	.195	31.4	77.4	WNW.	3.60	..	.5	S., Cu s., Cu.
	22	17.5	756.65	29.704	35.1	45.2	40.	.207	33.1	79.1	WNW.	3.00	..	1.0	S., Cu s., Cu.
	23	17.3	757.45	29.737	35.2	44.6	39.6	.205	32.8	79.4	W.	1.50	..	1.0	S., Cu-s., Cu.

* Minimum of barometer 745.60, at 14*h*. 12*m*.

† At 13*h*. 30*m*., wind suddenly passed from southeast, through the south, west, north, and east points, resting at the south point.

‡ At 16*h*., wind as high as 10 lbs.; at 17*h*., as high as 9 lbs.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
13	0	8.	766.50	30.136	26.	29.	27.2	.150	24.1	89.5	WNW.	.50	..	1.0	Cu., Ci-cu., Cu-s.
	1	8.8	766.55	30.134	26.5	28.5	27.5	.160	25.9	88.5	WNW.	.50	..	1.0	Cu., Ci-cu., Cu s.
	2	12.	766.70	30.125	....	....	....	....	....	90.4	WNW.	.50	..	1.0	Cu., Ci-cu.
	3	13.9	766.75	30.118	....	....	....	....	....	88.8	WNW.	.50	..	1.0	Cu., Ci-cu.
	4	14.6	766.90	30.120	....	....	....	....	....	86.4	WNW.	.50	..	..	Clear.
	5	14.8	766.75	30.114	23.	29.5	26.7	.137	21.6	81.4	WNW.	.50	..	..	Clear.
	6	14.2	766.25	30.097	21.9	26.5	24.7	.135	21.2	84.	WNW.	.10	..	.1	S. in Hor.
	7	13.7	766.35	30.103	23.	26.5	25.5	.148	23.7	87.5	WNW.	.10	..	1.0	S., Ci., Ci-s.
	8	14.2	766.50	30.107	23.3	30.2	*28.4	.157	25.3	89.4	W.	.10	..	1.0	S., Ci., Cu-s., Ci-s.
	9	14.4	766.35	30.099	25.	32.4	29.7	.167	25.3	85.	WSW.	.10	..	1.0	S., Ci., Cu-s., Ci-s.
	10	14.2	765.90	30.083	26.7	34.2	31.3	.165	26.7	82.2	WSW.	.20	..	1.0	S., Ci., Cu s., Ci-s.
	11	14.6	765.50	30.064	26.1	35.	30.8	.148	23.7	77.9	WSW.	.40	..	1.0	S., Cu s.
	12	15.3	764.60	30.026	26.	36.7	32.	.151	24.3	75.8	WSW.	.50	..	1.0	S., Cu-s.
	13	15.6	764.10	30.004	26.	36.9	32.4	.151	24.3	76.	WSW.	.50	..	1.0	S., Cu-s.
	14	15.5	763.60	29.984	27.5	37.2	33.	.159	25.7	77.8	WSW.	.90	..	1.0	S., Cu-s., Cu.
	15	16.1	763.55	29.980	26.2	36.5	32.2	.152	24.5	77.8	WSW.	1.30	..	1.0	S., Cu-s., Cu.
	16	....	.....	.....	....	....	....	....	....	....	WSW.	.90	..	..	)
	17	15.4	764.00	30.002	26.9	35.3	32.3	.167	27.1	82.8	W.	.70	..	1.0	S., Cu-s., Cu.
	18	15.	764.00	30.003	26.	33.5	31.3	.172	27.9	86.3	SSW.	.50	..	1.0	S., Cu.
	19	14.8	764.40	30.021	25.4	33.5	31.	.167	27.1	87.1	SSW.	.48	..	1.0	S.
	20	14.2	764.55	30.030	26.4	32.5	31.	.177	28.7	87.7	SSW.	.48	..	1.0	S.
	21	13.7	764.50	30.040	28.	33.5	31.1	.169	27.4	87.	SSW.	.48	..	1.0	S.
	22	13.4	764.55	30.023	28.5	32.6	30.7	.171	27.7	88.3	SSW.	.48	..	.4	S.
	23	13.4	764.95	30.049	24.4	31.2	29.9	.172	27.9	89.2	SSW.	.48	..	.2	S.

* Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
14	0	13.5	765.45	30.067	23.2	29.	27.8	.160	25.9	90.7	SSW.	.48	..	..	Clear.
	1	13.	765.75	30.082	25.	31.7	29.	.152	24.5	87.4	WNW.	.5	..	..	Clear.
	2	12.8	766.30	30.105	24.8	32.6	29.1	.144	23.	84.5	WNW.	1.3	..	..	Clear.
	3	12.	766.75	30.127	....	32.4	28.7	.139	22.	83.2	WNW.	1.9	..	..	Clear.
	4	11.9	767.00	30.136	....	31.2	28.	.140	22.2	84.6	WNW.	.5	..	..	Clear.
	5	12.1	767.90	30.171	23.6	30.1	27.4	.142	22.6	84.9	WNW.	.5	..	.2	Cu.
	6	12.4	768.50	30.192	22.5	29.2	26.5	.137	21.6	85.9	WNW.	.2	..	..	S.
	7	13.1	769.70	30.237	25.2	29.2	27.2	.148	23.7	81.2	WNW.	.3	..	1.0	Cu-s., hazy.
	8	13.8	770.45	30.261	25.	30.8	29.	.161	26.	....	WNW.	.2	..	1.0	Cu-s., hazy.
	9	13.8	770.75	30.273	23.	*33.5	*28.5	.125	19.1	75.5	NW.	.7	..	1.0	Cu., hazy.
	10	13.4	770.95	30.284	23.	33.4	28.	.118	17.5	74.	NNW.	1.2	..	1.0	Cu., hazy.
	11	13.	770.90	30.276	21.5	33.2	27.7	.115	16.8	71.	NNW.	1.3	..	1.0	Cu., hazy.
	12	12.	770.60	30.277	21.3	34.2	28.1	.111	15.8	70.8	NNW.	1.6	..	1.0	Cu., hazy.
	13	13.3	770.55	30.268	22.5	35.2	29.4	.122	18.4	70.7	NW.	1.4	..	1.0	Cu., Ci., hazy.
	14	14.	770.65	30.268	23.	35.5	29.7	.125	19.1	70.2	NNW.	1.3	..	1.0	Cu., Ci , hazy, Ci-s.
	15	14.2	770.95	30.280	21.5	35.1	29.1	.119	17.8	70.	NW.	1.0	..	1.0	Ci cu., Ci., hazy, Ci-s.
	16	14.2	771.30	30.294	22.7	34.6	29.5	.130	20.2	70.7	NNW.	.8	..	1.0	Ci cu., Ci., hazy, Ci-s.
	17	14.	772.25	30.332	22.4	32.5	28.2	.130	20.2	72.9	N.	.6	..	1.0	S., Ci., hazy, Ci s.
	18	14.4	772.65	30.345	21.3	31.	27.5	.134	21.	75.9	N.	.6	..	1.0	S., Ci.
	19	13.9	772.65	30.348	22.2	30.2	27.	.134	21.	76.7	N.	.6	..	..	S. in Hor.
	20	13.9	773.00	30.362	23.	29.	26.5	.138	21.8	78.7	NNE.	.6	..	?	
	21	13.6	773.10	30.368	23.6	28.4	26.	.137	21.6	80.3	NNE.	.6	..	..	Clear.
	22	13.5	773.30	30.376	21.2	25.8	23.9	.136	21.4	83.6	NNE.	.6	..	..	Clear.
	23	13.2	773.65	30.391	22.6	24.5	23.	.129	20.	87.2	NNE.	.6	..	.3	S.

* Twenty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
15	0	12.9	773.60	30.382	22.4	25.2	23.	.122	18.4	88.5	NNE.	.60?	..	.8	Ci., S.
	1	12.4	773.30	30.381	22.	24.4	23.5	.138	21.8	90.	NNE.	.60?	..	.2	Ci., S.
	2	11.9	773.15	30.378	22.	25.	23.4	.130	20.1	88.3	NNE.	.60?	..	1.0	Ci., S., Ci-s.
	3	11.6	773.10	30.377	23.	25.5	23.7	.130	22.2	89.1	NNE.	.60?	..	.5	Ci., S., Ci-s.
	4	11.8	773.00	30.372	....	26.	25.2	.148	23.7	88.1	NNE.	.60?	..	.2	S.
	5	12.2	773.05	30.372	19.2	26.5	24.	.124	18.9	88.4	NNE.	?	..	1.0	Cu-s., S.
	6	12.7	773.15	30.374	20.	26.5	24.5	.132	20.6	89.4	NNE.	.35	..	1.0	Ci-s., Cu., S., *NW.*
	7	12.5	773.20	30.377	21.8	26.6	24.9	.137	21.6	90.	NNE.	.30	..	1.0	Ci-s., Cu-s., S., Ci-cu., *WNW.*
	8	12.7	773.20	30.376	22.5	29.	26.8	.143	22.8	90.	NE.	.35	..	1.0	Ci-s., Cu-s., S., Ci-cu.
	9	12.4	773.35	30.383	24.6	*32.6	*29.8	.156	25.2	89.3	NE.	.20	..	1.0	Cu-s., S., Ci-cu., *WNW.*
	10	13.1	773.40	30.383	23.8	34.	31.	.162	26.2	86.4	NE.	.35	..	1.0	Cu., Cu-s., S., Ci-cu., *WNW.*
	11	14.1	773.15	30.367	25.	36.8	33.1	.165	26.7	83.2	NE.	.10	..	1.0	Cu-s., S., Ci-cu., *WNW.*
	12	15.1	772.30	30.329	29.5	41.6	36.8	.181	29.3	79.6	ENE.	.20	..	1.0	Cu-s., hazy, S., Ci-cu.
	13	16.1	772.15	30.317	30.	42.4	37.2	.181	29.3	77.1	SE.	.35	..	1.0	Cu., Cu-s., hazy, S., Ci., Ci-cu., *W.*
	14	16.9	771.45	30.287	32.7	44.2	39.5	.206	32.9	77.4	S.	.15	..	1.0	Cu., Cu s., hazy, S., Ci., Ci-cu.
	15	17.6	770.85	30.260	31.3	44.9	39.2	.192	30.9	76.2	S.	.60	..	1.0	Cu., Cu s., hazy, Ci-cu.
	16	17.5	770.50	30.246	32.4	43.	38.6	.202	32.4	79.6	SSE.	.80	..	1.0	Cu., hazy, Ci-cu.
	17	17.4	770.95	30.264	34.4	42.6	38.5	.204	32.6	81.7	SE.	.75	..	1.0	Cu-s., hazy, S.
	18	17.4	770.95	30.264	34.8	41.	38.	.212	33.7	84.2	ESE.	.80	..	1.0	Hazy, S.
	19	17.4	770.60	30.250	35.2	40.5	37.9	.216	34.3	?	ESE.	.66	..	1.0	Hazy, S.
	20	17.4	770.50	30.246	35.8	39.6	37.6	.220	34.8	90.3	ESE.	.70	..	1.0	Hazy, S.; 20*h.* 35*m.*, raining.
	21	17.6	770.15	30.232	36.4	40.2	37.7	.216	34.3	91.5	ESE.	.70	..	1.0	S.
	22	17.7	770.05	30.226	37.6	40.3	38.6	.233	36.4	93.9	ESE.	.70	.001	1.0	N.
	23	18.3	769.50	30.202	38.	41.	39.5	.243	37.6	93.5	ESE.	.70	..	1.0	N.

* Twenty-five minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
16	0	17.3	768.40	30.165	39.2	41.5	40.4	.256	39.1	94.5	SSE.	.45	..	1.0	N.
	1	16.9	769.15	30.190	....	41.8	40.8	.261	39.6	98.	SSE.	.25	.005	1.0	N., raining.
	2	16.5	768.85	30.187	39.	41.9	41.1	.266	40.2	97.9	SSE.	.25	.020	1.0	N., raining.
	3	16.4	768.50	30.173	40.2	42.5	41.9	.275	41.1	98.	SSE.	.25	.014	1.0	N., raining.
	4	17.	768.15	30.158	40.	42.1	41.5	.272	40.8	97.9	SSE.	.25	.080	1.0	N., raining.
	5	17.8	767.80	30.140	41.1	42.2	41.7	.275	41.1	97.9	SSE.	.25	.080	1.0	N., raining.
	6	17.9	767.85	30.142	41.8	42.7	42.2	.279	41.5	98.	SSE.	.25	.135	1.0	N., raining.
	7	17.9	768.00	30.148	42.	43.1	42.5	.281	41.7	96.5	SSE.	.25	.055	1.0	N., raining.
	8	17.7	768.00	30.148	41.9	43.9	43.4	.292	42.8	98.5	SSE.	.25	.035	1.0	N., foggy, raining.
	9	17.3	767.90	30.146	44.1	45.2	44.7	.305	44.1	98.2	SSE.	.20	.035	1.0	N., foggy, raining.
	10	16.8	768.00	30.153	44.2	45.7	45.	.306	44.2	97.6	SSE.	.40	.010	1.0	N., foggy, raining.
	11	17.2	767.75	30.140	45.7	47.2	46.5	.323	45.8	97.8	SSE.	.35	.003	1.0	S.
	12	17.8	767.10	30.121	45.2	47.2	46.1	.315	45.	97.7	SSW.	.90	..	1.0	S., *SW.*
	13	18.1	766.95	30.105	45.6	48.1	46.7	.317	45.2	96.6	SSW.	.80	..	1.0	S., *SW.*
	14	18.2	766.55	30.088	46.	48.3	47.1	.324	45.9	96.9	SSW.	.90	..	1.0	S.
	15	18.5	766.85	30.099	46.8	48.9	47.9	.336	46.9	97.2	SSW.	.70	..	1.0	S.
	16	18.5	767.00	30.104	47.3	48.7	48.1	.343	47.5	97.8	SW.	.40	..	1.0	S.
	17	19.1	767.40	30.117	47.	48.5	47.7	.336	46.9	97.8	SSW.	.15	..	1.0	N., raining.
	18	19.4	767.75	30.130	47.2	48.	47.5	.337	47.	97.8	SSW.	.15	..	1.0	N., raining.
	19	19.5	767.80	30.132	46.8	48.	47.2	.330	46 4	97.6	SSW.	.20	..	1.0	N., raining.
	20	19.	767.80	30.133	47.2	48.	47.5	.337	47.	97.7	SSW.	.20	..	1.0	S.
	21	18.8	768.05	30.141	47.2	48.	47.5	.337	47.	97.3	SSW.	.20	..	1.0	N.
	22	19.3	768.50	30.161	47.	48.	47.5	.337	47.	97.5	WSW.	.20	.010	1.0	N., raining.
	23	19.7	768.25	30.149	47.	47.9	47.4	.337	47.	97.7	NW.	.40	..	1.0	N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
17	0	19.3	768.25	30.151	46.8	47.5	47.2	.336	46.9	97.7	NW.	.25	..	1.0	S., foggy.
	1	19.2	768.20	30.149	46.4	47.5	47.1	.333	46.7	97.7	NW.	.25	..	1.0	S., foggy.
	2	19.1	768.35	30.154	45.9	47.3	47.	.334	46.8	97.9	NW.	.25	..	1.0	S., foggy.
	3	19.3	768.65	30.164	46.1	47.	46.7	.330	46.4	97.7	NW.	.25	..	1.0	S., foggy.
	4	19.9	768.55	30.157	46.	47.2	46.9	.333	46.7	97.8	NW.	.25	..	1.0	S., foggy.
	5	20.8	768.75	30.162	46.6	47.5	47.	.331	46.5	97.9	NW.	.20	..	1.0	S., foggy.
	6	21.	769.00	30.169	46.8	47.6	47.2	.334	46.8	97.6	NW.	.25	..	1.0	S., foggy.
	7	21.	769.40	30.185	46.8	47.6	47.2	.334	46.8	97.3	NW.	.20	..	1.0	S., foggy.
	8	20.7	769.60	30.196	47.	47.7	47.3	.335	46.8	97.4	NNW.	.25	..	1.0	S., foggy.
	9	20.2	769.50	30.193	47.4	48.3	47.9	.342	47.4	97.1	NNE.	.35	..	1.0	S., heavy fog.
	10	20.2	769.45	30.191	48.	49.	48.5	.349	48.	97.1	NE.	.70	..	1.0	S., heavy fog.
	11	20.1	768.60	30.159	49.3	50.6	50.	.366	49.4	97.1	NE.	.40	..	1.0	S., heavy fog.
	12	20.2	768.35	30.148	50.3	52.2	51.4	.383	50.7	96.9	NE.	.40	..	1.0	S., heavy fog.
	13	20.3	767.95	30.134	51.2	53.1	52.1	.390	51.3	96.4	NE.	.50	..	1.0	S., heavy fog.
	14	20.5	767.55	30.116	51.6	53 2	52.4	.396	51.7	96.6	NE.	.75	..	1.0	S., heavy fog.
	15	17.2	766.85	30.105	51.5	53.7	52.6	.396	51.7	96.5	ENE.	.45	..	1.0	S., heavy fog.
	16	19.9	766 80	30.090	52 2	53.1	52.6	.402	52.2	96.8	E.	.75	..	1.0	S., heavy fog. [raining.
	17	20.6	766.50	30.075	52.	52.5	52.	.394	51.6	97.8	E.	.50	..	1.0	S., heavy fog; 17h. 50m., commenced
	18	21.5	766.50	30.062	52.	52.5	52.	.394	51.6	97.8	E.	.70	..	1.0	N.; raining.
	19	22.3	766.20	30.055	52.	52.5	52.	.394	51.6	97.8	ESE.	.75	.020	1.0	N., raining.
	20	22.6	765.40	30.022	52.1	53.	52.4	.398	51.9	97.8	ESE.	.85	.025	1.0	N., raining.
	21	22.8	764.70	29.994	52.5	53.1	52.6	.402	52.2	97.4	SE.	.90	.010	1.0	N.
	22	23.	764.25	29.975	53.2	53.8	53.5	.418	53.3	97.5	SE.	.84	.005	1.0	S.
	23	23.2	763.55	29.945	51.	55.	54.4	.427	53.9	97.7	SE.	.80	..	1.0	N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
18	0	22.9	763.00	29.925	55.2	57.	56.1	.449	54.7	97.5	SSE.	1 40	..	1.0	N.
	1	22.6	762.80	29.920	54.8	57.1	56.3	.453	55.7	98.	S.	.95	.020	1.0	N.
	2	23.3	762.50	29.901	55.2	57.	56.1	.449	55.4	98.	S.	.90	.010	1.0	N.
	3	24.	762.50	29.900	51.6	56.7	56.	.450	55.5	98.	S.	.70	.005	1.0	N.
	4	23.6	762.00	29.883	55.	56.6	56.	.441	54.9	98.	S.	.65	.017	1.0	N., raining.
	5	23.8	762.35	29.895	55.3	56.5	55.8	.447	55.3	97.9	SSW.	.60	.003	1.0	S., N., Cu s., *SW.*
	6	23.3	762.40	29.900	55.5	57.1	56.2	.451	55.6	97.8	SSW.	.80	..	1.0	S., Ci-s., Cu s., Ci-cu.
	7	23.5	762.90	29.919	54.4	56.2	55.2	.434	54.4	97.8	SSW.	.65	.015	1.0	Ci., Ci-s., Cu.
	8	23.5	763.15	29.928	54.5	56.2	55.4	.439	54.8	97.8	S.	.40	..	1.0	Cu., Cu-s., Ci cu.
	9	23.8	763.30	29.932	55.6	59.1	57.3	.458	56.	95.2	SSW.	.30	..	.4	Hazy, Cu., Ci-cu.
	10	24.2	763.55	29.941	47.8	60.3	54.	.357	48.7	82.6	SW.	1.10	..	1.0	Hazy, Ci-cu.
	11	24.5	763.30	29.930	42.3	60.6	50.4	.265	40.1	70.6	WSW.	1.60	..	1.0	Hazy, Ci-cu.
	12	23.5	762.60	29.907	43.1	62.1	51.6	.276	41.2	69.5	SW.	1.35	..	1.0	Hazy.
	13	24.7	761.80	29.871	39.3	63.6	51.1	.248	38.2	62.7	SW.	1.60	..	1.0	Hazy.
	14	25.2	761.50	29.856	38.1	64.4	51.2	.241	37.4	60.1	SW.	1.75	..	1.0	Hazy.
	15	25.	761.60	29.861	39.	63.6	51.4	.255	39.	61.2	SW.	2.40	..	1.0	Hazy.
	16	24.5	761.80	29.872	40.2	63.1	51.4	.272	40.8	63.2	SW.	1.00	..	1.0	Hazy.
	17	24.1	762.05	29.882	42.1	58.	50.	.283	42.	66.2	SW.	.52	..	1.0	Hazy, S.
	18	23.2	762.15	29.890	40.6	56.	47.6	.250	38.4	67.9	SW.	.52	..	..	Clear.
	19	22.3	762.85	29.923	38.7	54.4	46.5	.242	37.5	67.9	SW.	.52	..	..	Clear.
	20	21.8	763.15	29.937	39.	54.	45.	.213	33.9	67.2	WNW.	.52	..	..	Clear.
	21	20.8	763.70	29.963	41.2	52.5	44.5	.219	34.7	69.	W.	.80	..	..	Clear.
	22	19.8	763.95	29.979	36.9	50.6	43.5	.219	34.7	72.3	W.	1.50	..	..	Clear.
	23	19.8	764.30	29.993	37.	48.6	43.3	.238	37.	76.	WNW.	1.20	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
20	0	14.4	767.45	30.142	38.6	35.5	33.8	.193	31.1	92.	NW.	.65	..	..	Clear.
	1	14.8	767.35	30.137	33.8	36.3	34.1	.190	30.6	92.1	NW.	.65	..	..	Clear.
	2	14.4	767.55	30.146	33.6	36.2	34.	.189	30.5	91.8	NW.	.65	..	..	Clear.
	3	12.6	767.55	30.156	33.8	36.5	34.	.186	30.1	90.7	NW.	.50	..	..	Clear.
	4	12.7	767.60	30.156	....	37.1	33.8	.174	28.2	88.5	NNW.	.50	..	..	Clear.
	5	13.8	768.10	30.171	28.	37.	33.6	.172	27.9	87.2	NNW.	.60	..	.1	S.
	6	13.7	768.60	30.191	28.2	36.9	33.5	.171	27.7	87.	NNW.	.30	..	.1	S.
	7	14.8	769.25	30.210	28.	37.	33.4	.169	27.4	86.5	NNW.	.40	..	1.0	Ci., Ci-cu., Ci-s., S.
	8	15.2	769.50	30.218	28.2	37.4	33.9	.173	28.	86.7	NNW.	.40	..	1.0	Ci., Ci cu., Ci-s., S.
	9	16.5	769.75	30.222	32.8	42.	37.2	.185	29.9	83.1	NNW.	.45	..	1.0	Cu-s., S.
	10	16.7	770.05	30.232	33.4	43.1	38.	.188	30.4	81.7	NNW.	.30	..	1.0	Cu s., S.
	11	18.	769.90	30.220	34.	44 7	39.2	.194	31.2	80.1	NNW.	.30	..	1.0	Cu-s., S.
	12	18.7	769.45	30.199	31.8	46.	40.	.196	31.5	77.	NNW.	.20	..	1.0	Cu-s., S.
	13	19.3	769.15	30.185	32.	47.2	41.4	.212	33.7	76.	NNW.	.20	..	1.0	Ci cu., S.
	14	20.2	769.15	30.179	32.2	47.9	41.8	.212	33.7	75.	NNW.	.20	..	1.0	Ci cu., S.
	15	20.7	768.85	30.167	31.8	47.4	41.7	.216	34.3	76.	WNW.	.20	..	1.0	Ci-cu., S.
	16	20.5	768.60	30.157	32.8	46.1	41.2	.220	34.8	77.2	WNW.	.15	..	1.0	Ci-cu., S.
	17	20.7	768.60	30.157	33.7	44.	40.	.218	34.5	78.6	WNW.	.15	..	1.0	Hazy, S.
	18	21.	768.55	30.152	34.	44.5	40.	.213	33.9	80.8	W.	.15	..	1.0	S.
	19	21.	768.30	30.145	35.9	43.5	40.1	.226	35.5	83.	W.	.15	..	1.0	S.
	20	20.	767.90	30.133	36.	43.	39.5	.220	34.8	83.7	WSW.	.15	..	1.0	S.
	21	19.8	767.15	30.105	36.2	43.2	39.7	.222	35.1	85.8	SSW.	.50	..	1.0	S.
	22	19.8	766.90	30.096	35.5	42.2	39.2	.223	35.2	87.9	S.	.70	..	1.0	S.
	23	19.4	766.10	30.055	39.1	42.1	40.4	.249	38.3	89.4	S.	.70	..	1.0	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
21	0	19.3	761.60	30.007	39.4	42.3	40.3	.244	37.7	91.	S.	.35	..	1.0	S.
	1	20.2	763 55	29.960	39.9	42.7	40.1	.236	36.8	92.8	SSE.	.35	..	1.0	S.
	2	21.3	762.15	29.900	40.	42.7	40.8	.251	38.5	96.	SE.	.35	.015	1.0	S.; 1*h*. 36*m*., commenced raining.
	3	21.1	761.40	29.872	40.6	43.	41.6	.264	39.9	97.7	SE.	.35	.065	1.0	S., raining.
	4	21.6	760.90	29.850	42.	44.3	43.3	.286	42.3	98.	ESE.	.35	.170	1.0	S., raining.
	5	24.	758.90	29.759	41.5	45.7	45.	.306	44.2	98.3	ESE.	.40	.175	1.0	N., raining.
	6	21.	758.90	29.759	44.8	46.3	45.5	.311	44.7	98.	ENE.	.70	.285	1.0	N., raining.
	7	22.6	757.15	29.698	45.	46.2	45.5	.312	44.8	98.5	NE.	.80	.095	1.0	Cu-s., *SSW.*, S., *NE.*
	8	21.4	756.35	29.672	45.8	47.1	46.4	.322	45.7	98.	E.	.70	..	1.0	Cu-s., S.
	9	21.1	756.10	29.663	46.3	48.6	47.5	.331	46.5	97.3	SSE.	.35	..	1.0	Cu-s., S.
	10	21.	755.25	29.633	45.	48.8	46.7	.310	44.6	95.	SSW.	1.60	..	1.0	Cu s., S.
	11	20.2	754.65	29.613	44.2	47.8	46.	.306	44.2	96.2	SW.	2.20	..	1.0	Cu-s., S.
	12	20.8	754.00	29.584	44.5	48.1	46.3	.309	44.5	96.	SW.	1.70	..	1.0	Cu-s., S. [ing.
	13	21.5	753.60	29.566	44.4	48.4	46.4	.308	44.4	94.1	SW.	1.60	..	1.0	Cu-s., S.; 13*h*. 30*m*., recommenced rain-
	14	21.1	754.30	29.595	49.3	44.6	42.3	.260	39.5	93.1	WSW.	2.00	.030	1.0	Cu-s., N., S., *NNW.*; 14*h*. 35*m*., ceased
	15	21.9	753.90	29.575	40.2	46.2	43.4	.267	40.3	90.8	W.	2.10	.006	1.0	Cu s., hazy. [raining.
	16	22.6	754.25	29.586	39.2	46.6	43.1	.255	39.	88.4	WSW.	.90	..	1.0	Cu-s., hazy, Cu.
	17	22.	754.50	29.599	38.6	45.2	42.5	.258	39.4	88.7	WSW.	.20	..	1.0	S., Cu-s., Ci-cu., hazy, Ci s., Cu.
	18	21.7	754.75	29.610	38.	44.	41.5	.252	38.6	92.2	WSW.	.20	..	1.0	S., hazy.
	19	21.5	755.20	29.627	36.8	44.6	41.5	.244	37.7	87.8	WSW.	.40	..	1.0	S., hazy.
	20	21.1	755.45	29.640	37.	44.6	41.1	.236	36.8	87.	W.	.40	..	.8	S., hazy, Ci-s.
	21	20.6	755.60	29.648	38.2	44.5	40.4	.222	35.	83.	W.	.70	..	..	Clear.
	22	20.3	755.80	29.656	36.9	43.5	39.5	.215	34.1	83.2	W.	.77	..	..	Clear.
	23	19.5	755.80	29.660	36.	41.7	38.3	.211	33.6	87.1	W.	.70	..	.5	S., Cu., Cu s.

DAILY METEOROLOGICAL OBSERVATIONS

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry	Thermometers, Fah. Wet	Force of vapor, in.	Calculated sat. pt.	Hygr., humidity	Wind. Dir.	Wind. Force, lbs.	Rain, inches.	Ozone, scale.	Remarks.
22	0	19.3	755.90	29.664	35.2	39.5	37.6	.228	35.1	88	NW	0.1			
	1	19.2	755.90	29.665	36.	39	37	.216	34.3	91.8	NW	.33			
	2	18.4	756.30	29.684	35.8	41.7	36	.166	33.9	77	WNW	1.00			
	3	18.2	756.40	29.688	34.2	41.1	35.3	.159	33.2	73.8	W	1.00			
	4	19.	756.40	29.695	33.4	39.1	34.6	.166	31.9	73.8	WNW	.66			
	5	20.3	756.60	29.687	27.	37.8	33.6	.164	33.8	79.8	WNW	.80			
	6	19.3	756.95	29.705	26.	38.	33.3	.166	33.9	77.8	W	.80			
	7	17.9	757.20	29.723	25.	38.5	33.2	.149	33.8	74.8	WNW	1.40		1.0	
	8	17.	757.45	29.737	25.8	40.5	34.5	.151	34.3	73.8	NW	1.20		1.0	
	9	18.1	757.85	29.748	28.5	41.3	35.4	.169	35.7	73.8	NW	1.80		1.0	
	10	17.7	757.95	29.753	27.7	43.6	36.3	.160	34.1	70	W	2.00		1.0	
	11	17.2	757.95	29.755	27.	44.7	36.4	.140	32.9	61.1	W	4.00		1.0	
	12	17.9	757.85	29.749	26.5	44.4	35.6	.127	19.8	63.8	W	5.00		1.0	
	13	17.6	757.70	29.744	27.2	45.1	36.3	.138	30.8	63.7	WNW	4.00		1.0	
	14	21.4	759.00	29.776	24.8	44.9	36.1	.131	30.4	60.7	WNW	4.00		1.0	
	15	21.	760.20	29.826	26.	42.4	35.4	.147	33.8	66.8	WNW	3.00		1.0	
	16	20.1	760.75	29.852	25.5	41.8	34.8	.143	32.8	66.8	WNW	2.50		1.0	
	17	19.1	761.10	29.869	25.5	40.2	33.5	.135	31.2	67.3	WNW	1.00		1.0	
	18	19.	761.90	29.902	23.2	37.8	33.1	.154	34.8	70.4	WNW	1.00			
	19	18.7	762.35	29.911	22.8	36.8	32.7	.158	35.5	70.8	W	.00			
	20	18.4	762.60	29.932	22.2	35.6	32.4	.166	36.0	78.6	W	.00			
	21	18.8	763.00	29.944	22.3	36.2	32.3	.157	35.8	78.	W	.00			
	22	18.3	763.65	29.973	23.7	35.1	32.	.164	36.5	79.4	W	.00			
	23	18.8	764.10	29.988	25.5	34.4	31.2	.168	36.8	81.8	WNW	.00			

* Occasionally as high as six pounds

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
23	0	18.3	763.85	29.981	25.2	32.	30.3	.171	27.7	82.7	WSW.	.12	..	..	Clear.
	1	17.6	763.80	29.983	24.	32.	29.7	.161	26.	84.	WSW.	.12	..	..	Clear.
	2	18.3	763.85	29.981	24.	30.4	28.4	.155	25.	85.8	WSW.	.25	..	..	Clear.
	3	19.1	764.15	29.989	23.	30.	27.9	.151	24.3	86.4	WSW.	.30	..	..	Clear.
	4	18.3	764.25	29.997	24.2	30.	27.5	.145	23.2	89.3	WSW.	.30	..	..	Clear.
	5	18.9	764.75	30.014	24.2	30.	28.	.153	24.6	92.2	WSW.	.25	..	..	Clear.
	6	18.	764.75	30.019	25.	31.2	29.6	.167	27.1	91.8	SW.	.30	..	.5	Ci., Ci s.
	7	16.9	765.00	30.033	26.2	31.4	30.4	.178	28.9	92.4	SW.	.30	..	1.0	Hazy, Ci-s., Cu s.
	8	16.2	765.20	30.045	28.5	33.6	31.6	.176	28.5	90.5	SW.	.30	..	1.0	Hazy, Cu-s.
	9	16.	765.20	30.046	32.	36.4	32.1	.151	24.3	90.2	SW.	.35	..	1.0	Hazy, Ci cu., S., Cu-s.
	10	17.9	765.40	30.045	33.8	39.9	37.2	.209	33.3	90.	SW.	.35	..	1.0	Hazy, Ci cu., S., Ci., Cu s.
	11	20.8	765.10	30.018	36.	43.8	40.6	.234	36.5	87.9	SSW.	.45	..	1.0	Hazy, Ci-cu., Ci., Cu-s.
	12	20.2	764.20	29.986	36.3	46.9	42.8	.245	37.8	84.9	SSW.	.75	..	1.0	Hazy, Ci cu., Cu-s.
	13	22.4	763.75	29.957	34.1	50.	43.8	.233	36.4	79.	SSW.	.70	..	1.0	Hazy, Ci cu., Cu., Cu-s.
	14	21.9	762.70	29.919	35.6	51.2	45.3	.252	38.6	77.	SSW.	.30	..	1.0	Hazy, Ci-cu.
	15	21.2	762.30	29.907	36.8	52.7	47.1	.275	41.1	76.3	SSW.	.15	..	1.0	Hazy, Ci cu., S., Cu-s.
	16	20.6	761.80	29.890	35.8	51.1	44.9	.244	37.7	75.6	S.	.10	..	1.0	Ci-cu., S., Cu-s.
	17	19.9	761.45	29.879	35.8	48.7	43.5	.241	37.4	76.7	S.	.40	..	1.0	Cu., hazy, Ci-cu., S., Ci-s.
	18	19.6	761.25	29.873	36.2	48.3	43.4	.243	37.6	79.5	S.	.40	..	1.0	Hazy, S.
	19	19.1	761.00	29.865	33.8	46.	42.2	.242	37.5	81.3	SSE.	.50	..	1.0	Hazy, S.
	20	20.1	760.50	29.842	33.9	45.	41.9	.247	38.1	85.4	SSE.	.50	..	1.0	Hazy, S.
	21	20.3	759.70	29.809	36.	46.1	43.7	.274	41.	88.5	SSE.	.60	..	1.0	Hazy, S.
	22	20.4	759.00	29.781	37.2	45.	42.2	.253	38.7	90.	SSE.	.24	..	1.0	Hazy, S., Cu-s.
	23	20.	758.55	29.765	38.4	44.3	41.9	.255	39.	90.4	SSE.	.24	..	1.0	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
24	0	20.2	758.05	29.744	38.3	43.6	41.5	.256	39.1	92.1	SE.	.24	..	1.0	S.
	1	20.	757.90	29.740	40.2	45.7	43.5	.274	41.	92.3	SE.	.23	..	1.0	N.; 1*h.*, commenced raining.
	2	19.9	757.55	29.726	43.4	48.2	45.7	.294	43 1	92.4	SSE.	.30	..	1.0	N., raining.
	3	21.2	757.45	29.717	45.6	50.4	48.1	.315	45.	94.	SSE.	.30	..	1.0	N., raining.
	4	21.1	756.90	29.695	49.6	54.4	51.9	.370	49.7	94.5	SSW.	1.00	..	1.0	N., raining.
	5	23.1	756.60	29.674	52.3	56.	54.	.406	52.4	96.4	SSW.	1.50	.023	1.0	N., raining.
	6	24.7	756.60	29.666	52.8	57.	54.8	.415	53.1	96.8	SSW.	2.20	.017	1.0	Cu s., S., *WSW.*
	7	23.7	757.00	29.687	53.4	57.6	55.4	.424	53.7	96.4	SW.	1.80	..	1.0	Cu-s , S., *SW.*
	8	22.9	757.10	29.694	54.3	57.7	56.	.439	54.8	97.7	SW.	1.70	..	1.0	Cu-s , S., *SW.*
	9	21.8	757.10	29.700	55.5	59.2	57 3	.457	56.	97.	SW.	1.00	..	1.0	Cu-s., S., *WSW.*
	10	21.1	756.90	29.695	56.1	60.6	58.2	.467	56.6	96.3	SW.	1.70	..	1.0	Cu s., S., *WSW.*
	11	20.6	756.45	29.679	56.	61.4	58.7	.471	56.9	95.	SW.	2.10	..	1.0	Cu s., S., *SW.*
	12	20.3	755.85	29.658	56.6	62.5	59.5	.482	57.5	94.2	SW.	2.10	..	.95	Cu-s., S., *WSW.*
	13	20.3	755.40	29.642	56.6	62.5	59.3	.476	57 2	93.7	SW.	2.10	..	.98	Cu-s., S., *WSW.*
	14	20.2	755.25	29.636	56 8	63.1	59.7	.481	57.5	93.3	SW.	2.20	..	.99	Cu-s., S., *WSW.*
	15	20.	755.15	29.633	56.6	62.9	59.5	.478	57.3	92.9	SW.	2.10	..	.9	Cu s., S., *WSW.*
	16	19.9	755.05	29.629	56.9	62.1	59.3	.480	57.4	94.	SW.	1.50	..	.9	Cu-s., Ci., Ci-cu., Cu., *SW.*
	17	19.9	755.05	29.629	56.	60.6	58.4	.472	56.9	96.7	SW.	.94	..	1.0	Hazy, Cu-s., S., Ci., Cu., Ci-cu., Ci s.
	18	19.8	755.80	29.659	55.9	58.3	57.	.457	56.	99.1	SSW.	.70	..	1.0	Hazy, Cu s., S. [raining.
	19	19.5	756.25	29.677	54.3	58.5	55.5	.417	53.2	94.1	W.	1.05	..	1.0	Hazy, Cu s., S.; 19*h.* 27*m.*, commenced
	20	19.8	756.65	29.692	54.6	57.1	55.4	.429	54.1	97 5	NNW.	.60	.010	1.0	N., raining.
	21	20.1	757.25	29.714	54.4	56.4	55.1	.429	54.1	98 2	NNW.	.60	..	1.0	N., raining.
	22	20.3	757.55	29.725	50.6	56.4	53.1	.377	50.3	91.6	WNW.	.70	..	1.0	N., raining.
	23	20.4	758.30	29.754	48.9	53.6	49.	.309	44.5	87.5	WNW.	1.30	..	1.0	Cu., N., S.

Date. Day.	Hour.	Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
25	0	22.1	758.05	29.736	....	50.9	47.	.293	43.	85.5	NW.	2.00	..	..	Clear.
	1	24.3	759.95	29.799	....	48.6	42.5	.219	34.7	81.	NNW.	3.50	..	..	Clear.
	2	24.7	760.95	29.838	....	45.	40.4	.217	34.4	81.5	NNW.	3.20	..	..	Clear.
	3	24.3	761.55	29.862	....	44.5	39.3	.200	32.1	80.4	NNW.	2.90	..	..	Clear.
	4	22.8	761.20	29.856	....	43.	38.1	.192	31.	80.6	NW.	2.50	..	..	Clear.
	5	22.	763.40	29.946	31.7	42.3	37.6	.190	30.7	81.4	NW.	1.20	..	..	Clear.
	6	22.	764.00	29.970	31.6	41.1	36.9	.190	30.7	83.3	NW.	.83	..	..	Clear.
	7	21.1	764.75	30.004	30.5	40.2	36.2	.185	30.	83.2	NW.	.70	..	1.0	Hazy.
	8	21.	765.55	30.035	31.2	40.6	36.6	.189	30.5	83.5	NW.	.50	..	1.0	Hazy.
	9	22.2	766.55	30.069	31.5	42.3	37.7	.192	30.9	82.4	NW.	.65	..	1.0	Hazy.
	10	22.5	766.80	30.078	30.8	43.7	38.2	.185	30.	81.	NNW.	.90	..	1.0	Hazy.
	11	22.4	767.25	30.095	30.3	43.8	37.8	.177	28.7	78.	NW.	1.35	..	1.0	Hazy.
	12	22.2	766.90	30.083	31.8	45.1	39.1	.188	30.4	77.	NW.	1.70	..	1.0	Hazy.
	13	22.2	766.85	30.081	32.	46.1	39.6	.187	30.2	75.	WNW.	1.90	..	1.0	Hazy.
	14	22.3	766.95	30.084	33.2	47.2	40.6	.195	31.4	74.6	NW.	1.10	..	1.0	Hazy.
	15	22.4	767.30	30.097	32.4	47.6	40.5	.188	30.4	73.1	WNW.	.80	..	1.0	Hazy.
	16	22.	767.30	30.100	32.	46.8	39.9	.184	29.8	71.9	WNW.	.85	..	1.0	Hazy.
	17	21.5	768.10	30.135	33.4	44.7	39.	.190	30.7	73.3	WNW.	.70	..	1.0	Hazy, S.
	18	20.9	768.15	30.139	33.6	42.7	38.	.192	30.9	75.5	WNW.	.59	..	1.0	Hazy, S.
	19	19.5	768.40	30.154	35.	38.9	37.1	.219	34.7	80.3	WNW.	.60	..	.2	S.
	20	18.3	768.25	30.155	33.3	36.5	35.4	.213	33.9	83.7	WNW.	.47	..	.3	S.
	21	17.5	768.15	30.155	31.3	35.2	34.4	.208	33.2	89.7	WNW.	.47	..	.1	S.
	22	17.	768.25	30.162	30.4	34.	32.8	.190	30.7	94.	WNW.	.47	..	.4	S.
	23	17.4	768.40	30.165	30.3	34.	32.7	.189	30.5	93.9	WNW.	.47	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
24	0	20.2	758.05	29.744	38.3	43.6	41.5	.256	39.1	92.1	SE.	.24	.	1.0	S.
	1	20.	757.90	29.740	40.2	45.7	43.5	.274	41.	92.3	SE.	.23	.	1.0	N.; 1h., commenced raining.
	2	19.9	757.55	29.726	43.4	48.2	45.7	.294	43.1	92.4	SSE.	.30	.	1.0	N., raining.
	3	21.2	757.45	29.717	45.6	50.4	48.1	.315	45.	91.	SSE.	.30	.	1.0	N., raining.
	4	21.1	756.90	29.695	49.6	54.4	51.9	.370	49.7	91.5	SSW.	1.00	.	1.0	N., raining.
	5	23.1	756.60	29.674	52.3	56.	54.	.406	52.4	96.4	SSW.	1.60	.023	1.0	N., raining.
	6	24.7	756.60	29.666	52.8	57.	54.8	.415	53.1	96.8	SSW.	2.20	.017	1.0	Cu s., S., WSW.
	7	23.7	757.00	29.687	53.4	57.6	55.4	.424	53.7	96.4	SW.	1.80	.	1.0	Cu s., S., SW.
	8	22.9	757.10	29.694	54.3	57.7	56.	.430	54.8	97.7	SW.	1.70	.	1.0	Cu-s., S., SW.
	9	21.8	757.10	29.700	55.5	59.2	57.3	.457	56.	97.	SW.	1.00	.	1.0	Cu s., S., WSW.
	10	21.1	756.90	29.695	56.1	60.6	58.2	.467	56.6	96.3	SW.	1.70	.	1.0	Cu s., S., WSW.
	11	20.6	756.45	29.679	56.	61.4	58.7	.471	56.9	95.	SW.	2.10	.	1.0	Cu s., S., SW.
	12	20.3	755.85	29.658	56.6	62.5	59.5	.482	57.5	94.2	SW.	2.10	.	.05	Cu s., S., WSW.
	13	20.3	755.40	29.642	56.6	62.5	59.3	.476	57.2	93.7	SW.	2.10	.	.98	Cu s., S., WSW.
	14	20.2	755.25	29.636	56.8	63.1	59.7	.481	57.5	93.3	SW.	2.30	.	.90	Cu-s., S., WSW.
	15	20.	755.15	29.633	56.6	62.9	59.5	.478	57.3	92.9	SW.	2.10	.	.9	Cu s., S., WSW.
	16	19.9	755.05	29.629	56.9	62.1	59.3	.480	57.4	94.	SW.	1.60	.	.9	Cu-s., Cu., Cu cu., Cu., NW.
	17	19.9	755.05	29.629	56.	60.6	58.4	.472	56.9	96.7	SW.	.94	.	1.0	Hazy, Cu-s., S., Cu., Cu., Cu-cu., Cu s.
	18	19.8	755.80	29.659	55.9	58.3	57.	.457	56.	99.1	SSW.	.70	.	1.0	Hazy, Cu s., S [raining
	19	19.5	756.25	29.677	54.3	58.5	55.5	.417	53.2	94.1	W.	1.05	.	1.0	Hazy, Cu s., S.; 19h 27m., commenced
	20	19.8	756.65	29.692	54.6	57.1	55.4	.429	54.1	97.5	NNW.	.60	.010	1.0	N., raining.
	21	20.1	757.25	29.714	54.4	56.4	55.1	.429	54.1	98.2	NNW.	.60	.	1.0	N., raining.
	22	20.3	757.55	29.725	50.6	56.4	53.1	.377	50.3	91.6	WNW.	.70	.	1.0	N., raining.
	23	20.4	758.30	29.754	48.9	53.6	49.	.309	44.5	87.5	WNW.	1.30	.	1.0	Cu., N., S.

Date. Day.	Hour.	Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Corr. height, inches.	Thermometers, Fah. Dew point.	Dry.	Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
25	0	22.1	758.05	29.736	....	50.9	47.	.293	43.	85.5	NW.	2.00	..	..	Clear.
	1	24.3	759.95	29.799	....	48.6	42.5	.219	34.7	81.	NNW.	3.50	..	..	Clear.
	2	24.7	760.95	29.838	....	45.	40.4	.217	34.4	81.5	NNW.	3.20	..	..	Clear.
	3	24.3	761.55	29.862	....	44.5	39.3	.200	32.1	80.4	NNW.	2.90	..	..	Clear.
	4	22.8	761.20	29.856	....	43.	38.1	.192	31.	80.6	NW.	2.50	..	..	Clear.
	5	22.	763.40	29.946	31.7	42.3	37.6	.190	30.7	81.4	NW.	1.20	..	..	Clear.
	6	22.	764.00	29.970	31.6	41.1	36.9	.190	30.7	83.3	NW.	.83	..	..	Clear.
	7	21.1	764.75	30.004	30.5	40.2	36.2	.185	30.	83.2	NW.	.70	..	1.0	Hazy.
	8	21.	765.55	30.035	31.2	40.6	36.6	.189	30.5	83.5	NW.	.50	..	1.0	Hazy.
	9	22.2	766.55	30.069	31.5	42.3	37.7	.192	30.9	82.4	NW.	.65	..	1.0	Hazy.
	10	22.5	766.80	30.078	30.8	43.7	38.2	.185	30.	81.	NNW.	.90	..	1.0	Hazy.
	11	22.4	767.25	30.095	30.3	43.8	37.8	.177	28.7	78.	NW.	1.35	..	1.0	Hazy.
	12	22.2	766.90	30.083	31.8	45.1	39.1	.188	30.4	77.	NW.	1.70	..	1.0	Hazy.
	13	22.2	766.85	30.081	32.	46.1	39.6	.187	30.2	75.	WNW.	1.90	..	1.0	Hazy.
	14	22.3	766.95	30.084	33.2	47.2	40.6	.195	31.4	74.6	NW.	1.10	..	1.0	Hazy.
	15	22.4	767.30	30.097	32.4	47.6	40.5	.188	30.4	73.1	WNW.	.80	..	1.0	Hazy.
	16	22.	767.30	30.100	32.	46.8	39.9	.184	29.8	71.9	WNW.	.85	..	1.0	Hazy.
	17	21.5	768.10	30.135	33.4	44.7	39.	.190	30.7	73.3	WNW.	.70	..	1.0	Hazy, S.
	18	20.9	768.15	30.139	33.6	42.7	38.	.192	30.9	75.5	WNW.	.59	..	1.0	Hazy, S.
	19	19.5	768.40	30.154	35.	38.9	37.1	.219	34.7	80.3	WNW.	.60	..	.2	S.
	20	18.3	768.25	30.155	33.3	36.5	35.4	.213	33.9	83.7	WNW.	.47	..	.3	S.
	21	17.5	768.15	30.155	31.3	35.2	34.4	.208	33.2	89.7	WNW.	.47	..	.1	S.
	22	17.	768.25	30.162	30.4	34.	32.8	.190	30.7	94.	WNW.	.47	..	.4	S.
	23	17.4	768.40	30.165	30.3	34.	32.7	.189	30.5	93.9	WNW.	.47	..	..	Clear.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
27	0	14.1	761.35	29.904	32.3	36.6	33.5	.175	28.4	89.1	WNW.	.63	..	1.0	N., Cu s.
	1	14.4	761.40	29.901	33.4	38.2	33.7	.182	26.2	81.6	W.	.35	..	1.0	N., Cu s.
	2	15.8	762.35	29.934	34.	37.1	32.1	.144	23.	70.4	NNW.	2.00	..	1.0	N.
	3	17.5	763.15	29.957	29.	35.5	30.1	.131	20.4	70.	NNW.	2.00	..	1.0	N.
	4	17.6	763.45	29.969	28.	33.7	29.1	.133	20.7	77.5	NNW.	1.80	..	1.0	N.
	5	19.2	764.30	29.995	28.6	32.4	29.5	.153	21.7	79.8	N.	1.30	..	1.0	N.
	6	17.7	764.60	30.014	26.	30.9	27.4	.133	20.8	80.5	NNW.	1.30	..	.4	N.
	7	16.1	765.10	30.041	25.1	29.3	26.3	.133	20.8	78.9	NNW.	1.80	.	..	N., hazy in Hor.
	8	15.9	765.85	30.072	24.4	29.7	25.5	.115	16.8	77.3	NNW.	1.35	.	.3	Hazy, Cu.
	9	16.9	766.30	30.085	20.5	30.4	25.6	.109	15.4	75.7	NNW.	3.00		1.0	Ci cu., hazy, Cu.
	10	17.2	766.65	30.097	21.6	30.8	26.2	.115	16.8	76.4	NNW.	2.80	..	1.0	Ci cu., hazy, Ci s., Cu, Ci.
	11	19.1	766.55	30.084	21.	30.7	25.9	.111	15.9	75.2	NNW.	2.70	..	1.0	Ci cu., hazy, Ci s., Cu, Ci
	12	18.3	766.20	30.074	20.4	31.7	26.6	.112	16.1	74.3	NNW.	2.00	..	1.0	Ci cu., hazy, Ci s., Cu, Ci.
	13	21.2	766.25	30.063	18.8	32.7	27.2	.112	16.1	74	NNW.	2.30	..	1.0	Ci-cu., hazy, Ci s., Cu, Ci.
	14	19.3	765.90	30.058	19.5	33.2	28.	.120	18.	74.1	NNW.	2.30	..	1.0	Ci-cu., hazy, Ci s., Cu, Ci.
	15	17.6	766.40	30.080	18.4	32.6	27.2	.113	16.3	73.6	NNW.	1.30	..	1.0	Hazy, Ci s., Cu, Ci.
	16	16.4	766.60	30.100	17.3	31.	25.5	.103	8.	73.2	NNW.	1.20	..	1.0	Ci cu., hazy, Ci s.
	17	15.3	766.10	30.085	18.6	29.7	25.6	.110	17.1	75.4	NNW.	.95	..	1.0	Ci cu., hazy, Ci s., Cu.
	18	14.2	767.50	30.146	17.3	28.6	24.9	.110	17.8	76.3	NNW.	.95	..	1.0	N., hazy.
	19	14.3	767.95	30.162	17.9	27.4	23.9	.113	16.3	77.	NNW.	1.40	..	1.0	N., hazy.
	20	12.	768.25	30.185	17.2	26.	22.9	.113	16.3	79.	NNW.	1.80	..	.3	N.
	21	12.5	768.50	30.194	17.	25.1	23.5	.116	17.1	79.9	NNW.	.95	..	.3	N.
	22	12.2	768.90	30.211	16.9	24.4	22.5	.123	18.6	80.9	NW.	.90	..	..	Clear.
	23	12.6	768.95	30.212	20.	23.9	23.1	.137	21.6	82.	NW.	.90	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
28	0	13.6	768.85	30.202	18.2	23.	21.6	.123	20.8	83.4	NW.	.96	..	..	Clear.
	1	10.9	768.25	30.192	19.2	22.7	21.5	.125	19.1	84.3	NW.	.96	..	..	Clear.
	2	11.7	768.25	30.187	18.4	22.1	20.6	.117	17.3	85.2	NW.	.96	..	..	Clear.
	3	13.2	768.30	30.181	19.8	21.7	20.3	.117	17.3	85.5	NW.	.96	..	..	Clear.
	4	12.9	768.35	30.185	18.	21.5	20.	.114	16.6	85.6	NW.	.96	..	..	Clear.
	5	14.8	768.60	30.185	15.6	21.2	19.6	.111	15.9	87.	WNW.	.75	..	..	Clear.
	6	14.	768.75	30.194	15.2	20.7	19.2	.110	15.6	86.7	WNW.	.45	..	..	Clear.
	7	14.2	768.60	30.188	15.	19.2	18.4	.114	16.6	86.8	WNW.	.20	..	..	Clear.
	8	13.4	768.65	30.194	18.2	23.	21.5	.122	18.4	86.3	WNW.	.20	..	1.0	Hazy.
	9	13.9	768.70	30.193	19.	25.6	23.4	.124	18.9	84.	W.	.20	..	1.0	Hazy.
	10	13.9	768.60	30.189	21.2	29.	26.2	.134	21.	83.	SW.	.20	..	1.0	Hazy.
	11	14.2	768.15	30.172	21.	30.7	27.3	.133	20.8	82.1	SW.	.30	..	1.0	Hazy.
	12	15.1	767.10	30.125	23.2	35.2	30.2	.136	21.4	77.5	SW.	.45	..	1.0	Hazy.
	13	17.1	766.50	30.093	24.6	36.1	31.4	.147	23.5	79.	SSW.	.70	..	1.0	Hazy.
	14	17.1	765.90	30.069	20.9	37.6	32.2	.146	23.3	75.	SSW.	.70	..	1.0	Hazy.
	15	16.8	765 50	30.054	20.6	37.8	32.2	.144	23.	74.	SW.	.50	..	1.0	Hazy.
	16	16.2	765.15	30.043	21.2	35.6	30.4	.135	21.2	73.9	SSW.	.75	..	1.0	Hazy, Cu., Ci-cu.
	17	15.	764.55	30.025	22.2	35.	29.3	.123	18.6	73.	WSW.	.88	..	1.0	S., Cu., Ci-cu.
	18	14.8	764.50	30.025	20.9	34.4	29.3	.129	19.9	72.	WSW.	.70	..	1.0	Ci., Cu.
	19	15.6	764.25	30.010	21.	34.5	29.4	.130	20.1	73.8	WSW.	.65	..	.9	Cu.
	20	17.7	763.85	29.984	21.5	34.3	29.7	.137	21.6	75.9	WSW.	.77	..	1.0	Ci cu., Cu.
	21	18.	763.10	29.953	23.2	33.6	30.	.149	23.9	79.5	WSW.	.68	..	.8	Ci cu., Ci.
	22	16.4	762.70	29.946	23.5	32.6	29.8	.156	25.2	83.2	WSW.	.68	..	..	Clear.
	23	16.8	762.65	29.942	23.	31.1	29.1	.160	25.9	83.4	WSW.	.68	..	1.0	Ci., Cu., Ci-cu., S., Cu-s.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
29	0	15.9	762.35	29.934	23.2	32.	30.5	.174	28.2	85.3	WSW.	.68	..	.5	S.
	1	16.3	761.80	29.911	....	....	....	....	....	85.1	WSW.	.60	..	..	Clear.
	2	15.5	761.85	29.916	26.	30.1	28.5	.160	25.9	89.2	WSW.	.60	..	..	Clear.
	3	15.3	761.25	29.894	27.	30.	28.8	.166	26.9	91.3	WSW.	.40	..	..	Clear.
	4	16.9	761.10	29.880	....	32.7	30.8	.172	27.9	91.4	WSW.	.40	..	..	Clear.
	5	18.	760.30	29.844	29.	33.5	31.5	.176	28.5	93.	WSW.	.35	..	1.0	S.
	6	17.8	760.35	29.847	28.8	33.8	32.	.181	29.3	92.4	WSW.	.25	..	1.0	S., Cu s.
	7	16.9	759.95	29.835	28.5	33.7	31.9	.181	29.3	92.8	WSW.	.25	..	1.0	S , Cu s.
	8	16.1	759.80	29.833	29.8	34.5	32.9	.188	30.4	93.5	WSW.	.25	..	1.0	S., Cu-s.
	9	16.1	759.50	29.821	32.	37.1	35.1	.200	32.1	92.8	WSW.	.25	..	1.0	S., Cu-s.; 9*h*. 10*m*., commenced raining.
	10	15.7	759.30	29.815	34.2	38.2	36.2	.209	33.3	92.5	WSW.	.25	.0002	1.0	N., raining.
	11	16.6	758.70	29.787	35.	37.	36.	.219	34.7	98.5	WSW.	.20	.1050	1.0	N., raining.
	12	16.8	757.80	29.752	34.3	36 7	35.5	.213	33.9	98.4	WNW.	.25	.0200	1.0	S.
	13	17.1	757.40	29.734	33.4	35.6	34 7	.209	33.3	99.8	N.	.30	.0050	1.0	S., N., raining, *NNE.*
	14	17.2	756.85	29.711	32.4	34.7	33.6	.199	32.	99.	NNE.	.55	..	1.0	S., *NNE.*
	15	18.	757.00	29.714	33.	35.1	34.1	.203	32.5	99.	NE.	.30	..	1.0	S.
	16	17.3	757.65	29.743	32.8	34.1	33.4	.204	32.7	99.8	NE.	.30	..	1.0	S.
	17	17.8	757.95	29.753	32.	34.	33.4	.203	32.5	99.8	NE.	.30	.0020	1.0	S.
	18	17.2	758.15	29.763	31.8	34.	33.3	.201	32.2	100.3	NE.	.30	..	1.0	N.
	19	16.7	759.25	29.808	31.3	34.	32 8	.192	31.	99.5	NE.	.30	..	1.0	N.
	20	15.9	759.50	29.822	30.7	33.5	32.6	.191	31.2	98.8	NE.	.35	..	1.0	N.
	21	16.6	760.00	29.838	31.9	34.2	33.1	.195	31.4	97.5	NNE.	.30	..	1.0	S.
	22	16.5	760.55	29.862	31.4	34.2	33.	.194	31.2	97.	NNE.	.32	..	1.0	S.
	23	16.6	761.25	29.887	31.3	34.6	33.6	.200	32.1	96.9	NNE.	.50	..	1.0	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
30	0	16.1	762.30	29.931	32.	34.6	33.6	.200	32.1	96.8	NNE.	.50	..	1.0	S.
	1	16.4	762.60	29.942	32.2	34.5	33.3	.196	31.5	96.2	NNE.	.50	..	1.0	S.
	2	16.	763.35	29.973	32.	34.3	32.4	.180	29.1	93.	N.	.50	..	1.0	S.
	3	16.7	764.40	30.011	30.8	33.5	31.3	.172	27.9	92.3	NNW.	.85	..	1.0	S.
	4	18.4	765.30	30.038	31.	33.6	31.3	.171	27.7	91.2	NNW.	1.00	..	1.0	S.
	5	18.5	766.15	30.071	28.5	33.5	31.1	.169	27.4	90.8	NNW.	.80	..	1.0	S., Cu-s.
	6	18.2	766.85	30.100	28.4	33.6	31.6	.176	28.5	90.6	NNW.	.60	..	1.0	S., Cu s.
	7	17.2	767.60	30.134	27.7	32.8	30.8	.171	27.7	92.8	NNW.	.30	..	1.0	S., Cu-s.
	8	16.3	768.00	30.155	29.	33.1	31.1	.173	28.	92.8	NNW.	.30	..	1.0	S., Cu-s.
	9	16.5	768.50	30.173	29.8	35.2	33.7	.176	28.5	89.8	NNW.	.50	..	1.0	S., Cu-s.
	10	16.7	769.60	30.215	30.3	36.6	33.8	.180	29.2	89.2	NNW.	.30	..	.93	Ci-cu., S., Cu., Cu-s.
	11	16.5	769.40	30.208	30.	38.	34.3	.174	28.2	85.3	NNW.	.65	..	.98	Ci-cu., S., Cu., Cu-s., Ci s.
	12	16.	769.30	30.206	31.2	38.9	34.8	.173	28.1	83.5	NNW.	.85	..	1.0	Ci-cu., S., Cu , Cu s., Ci-s.
	13	18.2	769.93	30.219	28.	38.9	34.4	.166	26.9	80.3	NNW.	.85	..	1.0	S., Cu., Cu s.
	14	18.	769.75	30.214	28.3	38.6	34.6	.173	28.1	81.7	N.	.75	..	1.0	S., Cu., Cu s.
	15	17.5	770.60	30.250	28.5	38.3	34.3	.170	27.5	81.1	N.	.70	..	1.0	S., Cu-s.
	16	16.9	770.65	30.255	27.7	37.8	33.7	.165	26.7	79.9	N.	.60	..	1.0	S., Cu s.
	17	17.3	771.15	30.273	27.3	36.5	32.5	.157	25.4	81.	NNE.	.45	..	1.0	S., Cu s.
	18	16.9	771.95	30.307	27.	35.5	31.8	.156	25.2	81.7	NNE.	.65	..	1.0	Hazy, Cu.
	19	16.9	772.90	30.344	26.8	34.5	31.1	.154	24.8	83.	NE.	.65	..	1.0	Hazy, S.
	20	16.5	772.45	30.328	26.5	33.5	30.2	.149	23.9	83.	ENE.	.65	..	1.0	Hazy, S.
	21	16.2	772.25	30.321	26.2	32.8	30.2	.161	26.	84.6	ENE.	.65	..	1.0	S.
	22	15.6	772.50	30.334	26.	32.4	30.5	.170	27.6	88.3	ENE.	.65	..	1.0	S.
	23	16.1	772.15	30.317	27.	31.2	29.8	.170	27.6	91.	ENE.	.65	..	1.0	S.

Day.	Hour.	Temperature centigrade.	Observed height millimetres.	Corr. height inches.	Dew point	Dry	Wet	Tension	Force	Wind	Rain	Cloud	
	0	15.6	771.60	30.393	26.	30.2	28.3	156	87.	ENE.	.65	1.0	N., showing.
	1	15.3	771.25	30.387	26.	29.3	27.5	152	83.	ENE.	.60	1.0	N., showing.
	2	15.7	771.30	30.387	26.4	28.	26.	157	91.8	ENE.	.80	1.0	N., showing.
	3	16.7	771.25	30.280	26.6	29.	25.	147	83.5	ENE.	.75	1.0	N., showing.
	4	16.4	770.55	30.253	26.2	29.	....	....	....	ENE.	.75	1.0	N., showing.
	5	17.2	770.40	30.243	24.6	28.2	26.8	151	84.4	ENE.	.75	1.0	N., showing.
	6	17.	770.70	30.257	24.3	27.5	26.5	154	84.8	ENE.	.75	1.0	N., showing.
	7	15.3	769.65	30.224	24.	27.	26.1	132	84.5	E.	.75	1.0	N., showing.
	8	14.2	769.40	30.219	26.6	27.7	27.3	164	96.5	E.	.80	1.0	N., showing.
	9	14.2	769.25	30.213	27.1	28.4	27.8	166	96.9	E.	.70	1.0	N., showing.
	10	14.3	768.65	30.188	27.8	28.7	28.2	169	97.4	ENE.	.65	1.0	N., showing.
	11	16.3	767.60	30.139	28.	29.2	28.6	171	97.7	E.	.70	1.0	N., showing.
	12	18.3	767.05	30.107	28.9	30.9	29.9	175	98.1	E.	.60	1.0	N., showing.
	13	19.5	766.15	30.067	29.3	31.6	30.4	176	98.5	NE.	.30	1.0	N., showing.
	14	20.4	765.70	30.045	28.7	32.3	31.4	180	98.	NE.	.26	1.0	N., showing.
	15	21.1	765.40	30.029	29.	32.	31.3	187	98.2	NE.	.30	1.0	N., showing.
	16	20.6	764.30	29.988	29.5	32.	31.7	184	99.8	NE.	.16	1.0	N., showing.
	17	20.3	764.25	29.982	28.8	31.8	31.7	196	98.5	NE.	.00	1.0	N., showing.
	18	19.3	763.70	29.971	29.	31.8	,	,	,	NE.	.16	1.0	N., showing.
	19	18.2	763.80	29.979	28.8	31.7	30.9	184	99.8	NNE.	.17	1.0	N.
	20	17.5	763.55	29.973	29.	31.8	31.6	194	98.7	NNE.	.40	1.0	N., showing.
	21	16.4	762.90	29.954	29.4	31.9	31.4	190	98.9	NNE	.26	1.0	N., showing.
	22	16.3	762.50	29.938	30.	32.	31.6	192	98.9	NE.	.37	1.0	N., showing.
	23	15.6	762.00	29.921	30.2	32.3	31.4	186	98.1	NNE.	.30	1.0	N., showing.
											.000M		

* Total snow.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
2	0	15.2	761.30	29.896	30.7	32.2	31.8	.194	31.2	98.	NNE.	.27	..	1.0	N., snowing.
	1	16.4	761.15	29.885	29.6	32.3	32.	.196	31.5	98.	NNE.	.30	..	1.0	N.
	2	16.3	760.80	29.872	30.	32.	31.5	.191	30.8	99.	NNE.	.30	..	1.0	N.
	3	16.6	760.95	29.876	30.2	31.5	31.2	.191	30.8	99.	NNE.	.25	..	1.0	N.
	4	17.1	760.90	29.871	30.	31.1	30.1	.176	28.5	98.	NNE.	.25	..	1.0	N.
	5	17.5	761.20	29.881	29.2	31.4	30.7	.183	29.6	96.1	NNE.	.25	..	1.0	S.
	6	17.3	761.30	29 886	28.5	31.	29.9	.174	28.2	95.8	NNE.	..	..	1.0	S.
	7	16.3	761.60	29.903	28.1	30.9	29.8	.178	28.	95.7	NNE.	..	..	1.0	S., Cu s.
	8	15.	761.55	29.907	27.7	30.8	29.5	.169	27.4	95.5	NNE.	..	..	1.0	Cu., S., Cu-s.
	9	15.	761.70	29.913	28.	33.4	31.4	.175	28.4	91.5	N.	.20	..	.95	Cu., Ci-cu., Cu s.
	10	16.3	761.85	29.913	28.	34 8	32.3	.174	28.2	90.	N.	..	..	.7	Cu., Ci cu., Cu s., Ci-s.
	11	18.6	762.15	29.913	28.	34.9	32.3	.178	28.	89.2	N.	.30	..	1.0	Cu., hazy, Ci-cu., Cu-s , Ci-s.
	12	17.1	761.50	29.896	28.	36.	32.7	.167	27.	85.9	N.	.25	..	1.0	Hazy.
	13	20.6	761.40	29.874	26.3	37.1	33.	.161	26.	82.	N.	.30	..	1.0	Hazy, Cu., Ci-s.
	14	19.3	761.15	29.871	26.3	37.2	33.	.160	25.9	81.2	N.	.75	..	1.0	Hazy, Cu.
	15	18.8	761.65	29.892	26.	37.5	33.	.157	25.4	78.3	N.	.40	..	1.0	Hazy, Cu., Cu-s.
	16	18.3	761.80	29.901	26.2	37.1	33	.161	26.	77.9	NNE.	.25	..	1.0	Hazy, Cu., Cu-s.
	17	17.9	762.25	29.921	27.	35.2	31.3	.155	25.	78.	N.	.20	..	1.0	Hazy, Cu., S.
	18	17.3	762.60	29.937	26.7	35 1	30.9	.150	25.9	77.8	N.	.20	..	1.0	Hazy, Cu., Cu-s.
	19	16.7	763.30	29.967	27.3	31.3	30.7	.153	24.6	79.7	N.	.20	..	1.0	Hazy, Cu., Cu-s.
	20	16.5	763.75	29.977	27.2	33.7	30.6	.159	25.7	79.4	N.	.20	..	1.0	Hazy, Cu., Cu-s.
	21	15.8	764.00	29.999	26	33.7	30.6	.159	25.7	78.9	N.	.20	..	1.0	Cu., Cu-s., S.
	22	16.4	764.05	29.999	26.5	33.5	30.1	.151	24.3	79.5	N.	.20	..	1.0	Cu., Cu s., S.
	23	16.2	764.05	30.000	26.4	33.	31.2	.176	28.5	80.	N.	.20	..	1.0	Cu., Cu-s., S.

Day	Hour	Barometer. Temperature, centigrade	Barometer. Corrected height, millimetres	Barometer. Corrected height, inches	Thermometers, Fah. Dew point	Thermometers, Fah. Air	Thermometers, Fah. Wet	Force of vapour, inches	Calculated dew pt.	Hygrometric state, Saturation = 1	Wind. Direction, points	Wind. Force, lbs.	Rain, inches	Sky covered, tenths	Clouds, and direction of their flight
4	0	6.4	766.40	30.140	39.2	38.2	39.6	.196	21.4	96.	NW.	.20	..	..	Clear.
	1	6.6	766.50	30.143	19.6	38.2	39.7	.198	21.8	95.4	NW.	.30	..	..	Clear.
	2	7.8	767.15	30.169	21.	38.7	38.	.187	21.6	95.1	NNW.	.40	..	..	Clear.
	3	9.6	767.35	30.157	21.6	34.1	38.8	.145	23.2	95.	W.	.30	..	..	Clear.
	4	9.4	767.15	30.154	20.2	38.6	38.2	.139	22.	94.4	W.	.20	..	..	Clear.
	5	10.2	767.05	30.146	20.4	38.9	38.7	.146	23.3	95.	W.	.30	..	..	Clear.
	6	10.4	766.95	30.143	20.5	38.9	38.6	.144	23.	96.2	W.	.30	..	.8	S., Cu-s., Ci.
	7	10.6	767.30	30.155	20.6	38.4	38.1	.142	22.6	97.3	W.	.30	..	.6	S., Cu-s., Ci.
	8	10.1	767.20	30.153	22.4	36.2	36.7	.154	24.8	99.4	WSW.	.20	..	.6	S., Cu-s., Ci-cu., Ci.
	9	10.6	767.20	30.151	20.3	38.1	37.9	.159	25.7	98.8	SW.	.30	..	1.0	S., hazy, Ci-s., Ci.
	10	12.	767.10	30.140	29.5	31.6	30.4	.174	28.2	97.	SW.	.30	..	1.0	S., hazy, Ci-s., Ci.
	11	14.4	766.40	30.101	28.9	30.3	32.1	.152	24.5	94.	SW.	.45	..	1.0	S., Ci-s., Ci.
	12	13.9	765.10	30.057	31.8	33.5	35.7	.195	31.4	99.2	SW.	.80	..	1.0	S.
	13	18.2	765.00	30.026	31.4	40.	36.6	.196	31.5	87.	SW.	1.10	..	1.0	S.
	14	18.8	764.10	29.989	31.8	39.9	36.8	.201	32.3	87.8	SW.	.80	..	1.0	S.
	15	17.2	763.70	29.980	32.3	39.7	36.9	.206	32.9	89.1	SW.	.45	..	1.0	S., Cu-s.
	16	15.	763.00	29.963	33.3	38.8	36.7	.219	33.7	91.9	SW.	.35	..	1.0	S., Cu-s., W.
	17	13.8	762.25	29.940	32.8	37.8	35.7	.204	32.6	93.8	SW.	.60	..	1.0	S., Ci-cu., Cu.
	18	13.	761.75	29.924	33.	37.9	36.	.215	34.1	94.8	SW.	.30	..	1.0	S., Ci-cu., Cu-s.
	19	13.5	760.90	29.889	32.5	36.8	35.8	.207	33.1	95.8	SW.	.20	..	1.0	S., Cu.
	20	15.3	760.70	29.879	33.5	37.1	35.6	.209	33.3	96.3	SW.	.30	..	1.0	S., Cu., Cu-s.
	21	16.2	760.65	29.867	34.	37.6	36.2	.215	34.1	96.5	SW.	.32	..	1.0	S., Cu., Cu-s.
	22	17.3	760.50	29.855	34.8	37.7	36.5	.221	34.9	96.9	W.	.20	..	.7	S., Cu-s.
	23	17.3	760.30	29.847	35.4	37.2	36.6	.228	35.8	97.3	WSW.	.20	..	..	Clear.

11592

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
225															
5	0	16.9	760.00	29.837	34.	37.	36.	.219	34.7	96.8	WSW.	..	..	..	Clear.
	1	16.6	759.75	29.828	32.	34.8	33.7	.200	32.1	98.	WSW.	..	..	..	Clear.
	2	16.7	759.80	29.830	29.6	32.6	32.	.192	30.9	96.7	WSW.	..	..	..	Clear.
	3	17.3	759.85	29.829	29.2	31.8	31.5	.193	31.1	100.	WSW.	..	..	..	Clear.
	4	16.8	759.45	26.816	29.	31.5	31.1	.189	30.5	99.8	WSW.	..	..	1.0	Cu., Ci-cu.
	*5	17.3	759.90	29.831	29.1	31.7	31.1	.187	30.2	97.5	WSW.	..	..	.5	Cu., S., Cu-s.
	6	17.2	759.85	29.829	29.	32.8	31.5	.183	29.6	93.9	WSW.	..	..	.5	Cu., Cu-s., *W.*
	7	16.7	759.90	29.834	27.7	37.5	32.8	.152	24.5	80.	W.	.1	..	1.0	Cu., Cu-s., hazy, *WSW.*
	8	15.8	761.05	29.883	27.5	36.5	32.6	.160	25.9	83.2	NW.	1.4	..	1.0	Cu., hazy, *NW.*
	9	15.2	761.00	29.886	20.	36.1	30.3	.120	18.5	74.2	NW.	3.6	..	1.0	Cu., hazy.
	10	14.7	761.30	29.900	19.4	36.	29.7	.121	16.3	71.	NW.	†6.0	..	1.0	Cu., hazy.
	11	17.7	762.25	29.919	19.	36.	29.7	.121	16.3	70 5	NNW.	5.0	..	1.0	Cu., S., hazy.
	12	18.8	762.25	29.915	19.5	36.	30.	.126	19.4	70.8	NW.	5.5	..	1.0	Cu., hazy.
	13	20.	762.50	29.920	19.5	36.3	30.1	.124	18.9	70.5	NW.	‡6.0	..	1.0	Cu., hazy.
	14	19.1	763.25	29.953	20.5	36.6	30.8	.132	20.6	71.	NW.	5.3	..	1.0	Cu., hazy.
	15	18.2	763.90	29.983	20.	36.4	30.4	.127	19.5	69.9	NW.	4.5	..	1.0	Cu., hazy.
	16	19.8	764.90	30.017	20.	35.4	29.7	.126	19.3	70.7	NW.	2.8	..	1.0	Cu., hazy.
	17	20.7	765.90	30.051	19.5	33.9	29.	.129	19.9	71.6	NW.	1.6	..	1.0	Hazy.
	18	20.8	766.65	30.080	20.	33.1	27.9	.119	17.7	72.	NW.	2.0	..	1.0	Hazy.
	19	17.6	766.75	30.100	19.3	32.1	27.	.115	16.8	71.8	NW.	2.5	..	1.0	Hazy.
	20	16.7	767.20	30.121	19.	31.2	26.1	.109	15.5	71.	NNW.	1.8	..	1.0	Hazy.
	21	15.2	767.65	30.146	16.	30.3	25.5	.109	15.5	71.3	NNW.	.7	..	1.0	Hazy.
	22	14.3	767.80	30.156	16.5	29.4	25.2	.113	16.4	73.	NNW.	.7	..	1.0	Hazy.
	23	14.4	768.60	30.188	17.	28.2	24.7	.117	17.3	74.9	NNW.	.033	..	1.0	Hazy.

* Thirty minutes late. † As high as 10 pounds. ‡ As high as 8.75 pounds.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
6	0	13.7	769.00	30.207	18.5	25.4	24.4	.142	22.6	78.	NNW.	.033	..	1.0	Hazy, S.
	1	13.2	769.00	30.207	20.	26.6	24.8	.136	21.4	79.4	NNW.	.100	..	1.0	Hazy, S.
	2	12 3	769.00	30.212	19.4	25.4	23.5	.128	19.7	81.3	N.	.300	..	1.0	Hazy, S.
	3	11.8	769 25	30.224	18.6	24.2	22.1	.119	17.7	81.	N.	.300	..	1.0	Hazy.
	4	11.8	769.50	30 234	17.7	23.4	21.5	.118	17.6	81.3	NNE.	.400	..	1.0	Hazy.
	5	11.3	770.35	30.270	14.5	21.2	19 5	.110	15.6	84.	N.	.250	..	1.0	Hazy.
	6	12.2	770.50	30.271	14.9	21.3	19.5	.109	15.4	84.3	NNE.	..	..	1.0	Hazy.
	7	11.6	771.25	30.304	15.	20.4	18.9	.109	15.4	84.3	NNE.	..	..	1.0	Hazy.
	8	11.5	771.15	30.302	15.7	22.	20.2	.112	16.1	84.3	NNE.	..	..	1 0	Hazy.
	9	12.2	771.40	30.307	16.	24.4	21.5	.108	15.3	81.2	NNE.	..	..	1.0	Hazy, S., Ci s.
	10	14.4	771.65	30.306	17.3	25.8	22.8	.113	16.3	80.6	NE.	.100	..	1.0	Hazy, Cu., S , Ci s.
	11	17.3	771.25	30.277	18.4	27.6	24.3	.118	17.5	79.4	NE.	.070	..	1.0	S.
	12	17.9	770.60	30.248	19.8	28.9	25.6	.125	19.1	79.5	ESE.	..	..	1.0	S.
	13	18.8	770.35	30.233	20.2	30.2	26.5	.126	19.2	78.3	SSE.	.200	..	1.0	S.
	14	19.5	769.80	30.209	20.	30.6	26.7	.125	19.1	78.6	SSE.	.100	..	1.0	S.
	15	19.6	769.65	30.202	22.2	30.1	27.	.136	21.4	79.3	S.	.200	..	1.0	S.
	16	18.4	769.50	30.202	21.7	29.9	26.7	.133	20.8	80.	SSW.	..	..	1 0	S.; 16*h*. 50*m*., snowing.
	17	18.6	769.55	30.203	22.8	29 1	26.7	.141	22.4	84.5	SW.	.150	..	1.0	N.
	18	17.4	770.00	30.226	24.	27.1	26.5	.158	25.5	94.3	WSW.	.050	..	1.0	Cu s., S.
	19	16.3	768.50	30.173	22.	26.8	26.	.153	24.6	95.1	W.	..	..	1.0	S.
	20	16.5	768.35	30.167	22.7	28.	27.1	.158	25.5	95.	W.	..	..	1.0	S.
	21	15.4	767.15	30.126	24.4	28.2	27.6	.164	26.6	94.	S.	..	..	1.0	S.
	22	14.5	767.25	30.134	23.6	....	....	....	....	92.9	ESE.	..	..	1.0	S.
	23	14.8	767.15	30.129	23.6	29.5	27.2	.145	23.2	88.1	ESE.	..	..	1.0	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
7	0	14.6	765.95	30.082	24.2	29.2	28.4	.167	27.1	92.9	SE.	..	..	1.0	S.
	1	14.4	765.60	30.069	23.	28.9	27.6	.157	25.3	92.8	SE.	..	..	1.0	S., N.; 1*h.* 30*m.*, commenced snowing.
	2	14.3	765.15	30.051	23.2	28.7	27.5	.158	25.4	93.3	SE.	..	..	1.0	N., snowing.
	3	15.	764.45	30.021	25.1	28.4	27.3	.157	25.3	99.	SE.	..	..	1.0	N., snowing.
	4	15.3	763.80	29.991	24.2	27.7	27.3	.164	26.5	99.6	SE.	..	..	1.0	N., snowing.
	5	16.2	762.60	29.943	25.8	27.8	27.2	.162	26.3	100.8	SE.	..	..	1.0	N., snowing.
	6	17.3	761.70	29.902	26.2	28.2	27.6	.164	26.5	100.3	SE.	..	..	1.0	N., snowing.
	7	16.	760.70	29.860	26.2	28.5	28.	.168	27.2	100.8	ESE.	..	..	1.0	N., snowing.
	8	15.	760.20	29.854	26.8	28.4	27.8	.166	27.	99.7	ESE.	.05	..	1.0	Hailing, N.
	9	14.3	759.20	29.817	27.7	29.2	28.5	.169	27.3	99.4	E.	.05	..	1.0	N., hailing, snowing.
	10	14.6	758.25	29.779	27.6	29.4	28.7	.170	27.6	99.	E.	.03	..	1.0	N., hailing, snowing.
	11	16.2	756.75	29.713	28.6	30.3	29.5	.174	28.2	98.8	E.	.03	..	1.0	N., hailing, snowing.
	12	16.7	755.25	29.653	29.	31.1	30.1	.176	28.5	98.4	E	..	..	1.0	N., hailing, snowing.
	13	17.8	754.20	29.606	28.2	30.4	29.4	.172	27.9	97.2	NE.	.10	..	1.0	N., snowing.
	14	19.	753.40	29.569	28.4	30.3	29.5	.174	28.2	97.4	N.	.25	..	1.0	N., snowing.
	15	19.	753.55	29.575	28.4	29.4	28.9	.173	28.	98.9	NNW.	.25	..	1.0	N , snowing.
	16	18.6	753.40	29.571	28.4	29.2	28.8	.174	28.2	99.2	NW.	..	..	1.0	N., snowing.
	17	18.2	753.75	29.586	29.	29.5	29.	.164	26.5	100.	NW.	..	..	1 0	N., snowing.
	18	17.4	753.55	29.582	26.9	29.1	27.9	.160	25.9	97.5	NW.	.20	..	.7	Cu., Cu-s.; 18*h.*, stopped snowing.
	19	16.5	753.70	29.593	25.	28.2	27.1	.156	25.2	95.1	W.	.30	..	1.0	Hazy, S.
	20	15.5	754.00	29.609	26.	29.5	28.	.158	25.5	94.	WNW.	.70	..	1.0	Hazy.
	21	15.7	754.40	29.625	26.2	32.3	29.4	.153	24.6	88.4	WNW.	2.00	..	1.0	Hazy.
	22	13.7	754.95	29.656	28.9	33.6	31.6	.176	28.5	84.3	WNW.	*2.30	..	.6	Cu-s., Cu., S.
	23	13.5	755.80	29.688	30.2	34.6	32.	.173	28.	82.5	WNW.	1.90	†.4	1.0	S.

* As high as 5 pounds.

† Total snow.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, tenths.	Clouds, and direction of their strata
8	0	13.2	756.35	29.710	23.5	35.6	31.7	.157	25.3	80.6	WNW	1.00		1.0	N
	1	13.8	756.90	29.730	29.7	35.4	31.6	.157	25.3	81.6	NNW.	1.80	.	1.0	Cu
	2	12.5	757.45	29.759	29.5	35.9	31.7	.154	24.3	81.1	WNW.	1.80	.	1.0	Cu, NNW
	3	12.4	757.95	29.779	28.4	35.2	31.4	.156	25.2	81.5	NW.	1.80	.		Clear
	4	12.6	758.45	29.798	29.1	35.1	31.7	.169	24.5	89.9	NW.	.10		1.0	Cu
	5	13.	759.00	29.816	25.8	35.5	31.5	.155	25.	89.9	NW.	.70	..	1.0	Cu.
	6	12.6	760.05	29.861	24.2	33.5	30.	.151	24.3	88.5	WNW.	.60	.	1.0	Cu., hazy
	7	13.	761.20	29.903	23.	28.5	26.4	.142	22.6	86.	WNW.		..	1.0	N., hazy
	8	12.6	761.10	20.902	22.8	28.8	26.2	.136	21.4	87.3	W.	..	.	1.0	N., hazy.
	9	13.5	761.40	29.908	25.8	30.8	28.3	.150	24.1	85.6	W.		.	1.0	N., hazy
	10	14.3	761.70	29.916	27.4	32.6	30.	.160	25.9	85.6	W.		..	1.0	N., hazy.
	11	15.3	761.65	29.910	25.6	36.6	31.3	.150	24.1	75.3	WNW.	1.80	..	1.0	N., Ci-s., hazy
	12	13.8	760.40	29.868	25.8	36.4	31.6	.148	23.7	74.	WNW.	1.70	..	1.0	N., Ci-s., Cu, hazy, Ci
	13	17.4	760.55	29.856	24.	37.9	32.	.140	22.2	74.6	WNW.	.80	.	1.0	N., Cu-s., Ci-s, Cu, hazy, Ci
	14	18.9	760.30	29.839	24.2	38.	33.	.151	24.3	74.9	W.	.80	.	1.0	N., Cu-s., Cu, hazy, Ci
	15	18.9	760.20	29.835	26.	38.4	34.	.165	26.7	77.1	W.	.05	.	1.0	N., Cu-s
	16	18.4	759.55	29.812	27.3	35.8	32.8	.171	27.7	89.8	WNW.	..	..	1.0	N., Cu-s, Ci-cu
	17	18.7	759.40	29.807	28.	34.8	32.5	.177	28.7	86.9	WNW.	..		1.0	N., Cu-s
	18	17.5	758.85	29.791	27.4	33.4	32.	.183	29.6	90.7	NW.	.10		.5	N.
	19	16.2	758.05	29.725	27.5	31.6	30.	.168	27.2	91.4	NNW.	.10	..	.4	N., Cu-s
	20	15.1	757.95	29.768	27.1	30.6	29.5	.170	27.5	93.	NNW.	.01	..	1.0	N., hazy, Cu-s., Cu
	21	14.3	757.65	29.758	27.3	30.6	29.6	.172	27.9	95.5	NW.	..	..	1.0	N., hazy.
	22	14.3	757.25	29.742	27.2	31.4	30.2	.175	28.	94.	NW.	..	..	1.0	N.
	23	14.2	756.70	29.722	27.	31.3	29.9	.171	27.4	93.8	NW.	..	..	1.0	N., Cu-s.

[97]

9621

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
9	0	14.3	755.75	29.683	28.2	32.4	31.	.176	28.5	94.5	SW.	..	..	1.0	S., Cu s.
	1	13.8	755.25	29.666	28.	32.1	30.8	.178	28.8	95.6	SW.	..	..	1.0	S., Cu-s.
	2	14.2	755.20	29.663	28.1	32.9	31.6	.183	29.7	96.1	SW.	..	..	1.0	S., Cu-s.
	3	13.9	755.10	29.660	28.5	32.6	31.5	.185	29.9	97.7	SW.	..	..	1.0	S., Cu-s.
	4	13.7	754.80	29.650	29.1	32.4	31.4	.185	29.9	98.	SW.	..	..	1.0	Cu., Cu-s.
	5	13.7	754.80	29.650	30.2	32.7	31.7	.187	30.2	97.4	SW.	..	..	1.0	N., snowing.
	6	13.8	755.00	29.656	29.	36.2	33.6	.182	29.4	92.2	WSW.	..	..	1.0	Cu., Cu-s.
	7	14.3	755.55	29.675	28.6	36.2	32.8	.167	27.1	86.8	NW.	1.30	..	1.0	Cu., Cu-s.
	8	14.2	756.00	29.693	28.4	35.9	32.3	.163	26.4	85.8	WNW.	.70	..	1.0	Cu , S., Cu-s.
	9	14.2	756.40	29.709	27.8	36.3	32.2	.155	25.	82.7	WNW.	.60	..	1.0	S.
	10	14.3	756.40	29.707	27.	36.8	32.2	.150	24.1	79.9	WNW.	.30	..	1.0	S., Cu-s.
	11	15.	756.25	29.698	27.5	36.8	32.5	.155	25.	80.9	WNW.	1.00	..	1.0	Hazy, S., Cu-s., Ci-cu.
	12	16.5	755.85	29.677	26.3	36.4	32.2	.154	24.8	81.8	WNW.	1.30	..	1.0	Hazy, S , Cu-s., Ci-cu.
	13	18.	755.80	29.667	26.2	35.7	31.8	.159	25.7	82.8	NW.	1.70	..	1.0	Hazy, S., Cu-s., Ci-cu.
	14	19.1	755.85	29.663	27.4	34.2	31.9	.176	28.5	84.2	NW.	1.70	..	1.0	S.
	15	18.6	756.35	29.685	22.3	32.6	28.7	.128	20.8	82.6	NW.	1.50	..	1.0	S.
	16	18.2	756.50	29.692	20.8	31.9	27.4	.124	17.8	79.2	WNW.	1.80	..	1.0	Hazy, S., Cu-s., Ci-cu.
	17	17.2	756.90	29.713	20.7	31.	27.2	.130	20.1	78.8	WNW.	.70	..	1.0	Hazy, S.
	18	16.4	758.00	29.761	22.7	31.1	26.6	.119	17.8	76.8	WNW.	.90	..	1.0	Hazy, S.
	19	16.5	757.65	29.748	22.	30.5	26.2	.119	17.8	77.	WNW.	.90	..	1.0	Hazy, S., Cu-s.
	20	15.1	757.75	29.758	21.2	29.	25.3	.120	18.	78.9	WNW.	.60	..	.3	S., Cu-s.
	21	14.9	757.95	29.776	20.8	28.5	24.9	.118	17.5	80.	WNW.	.50	..	.4	S., Cu-s.
	22	13.8	758.20	29.781	19.7	27.3	23.3	.106	14.6	80.	WNW.	.73	..	1.0	Hazy, S., Cu-s.
	23	13.4	758.60	29.799	19.7	27.2	23.1	.104	14.1	80.1	NW.	.87	..	1.0	Hazy, S.

DAILY METEOROLOGICAL OBSERVATIONS. [1843.

Day.	Hour.	Barometer. Temperature, configurate.	Obs'd height, uncorrected.	Corr. height, inches.	Thermometers, Fah. Dew point.	Dry.	Wet.	Force of vapor, inc.	Calculated dew pt.	Hygr., Bennett's	Wind. Dir., points.	Force, lbs.	Rain, inches.	Sky covered, 10ths.	Sky. Clouds, and direction of their strata.
29	0	15.9	759.35	29.894	23.2	33.	30.5	.174	28.2	85.3	WNW.	.60		.5	N.
	1	16.3	761.60	29.911							WNW.	.60			Clear.
	2	15.5	761.85	29.916	26.	30.1	28.5	.160	25.9	80.3	WNW.	.60			Clear.
	3	15.3	761.35	29.894	27.	30.	28.8	.168	26.9	81.3	WNW.	.40			Clear.
	4	16.9	761.10	29.880			30.8	.173	27.9	81.4	WNW.	.40			Clear.
	5	16.	760.30	29.844	29.	33.5	31.5	.176	28.5	83.	WNW.	.35		1.0	N.
	6	17.8	760.35	29.847	28.8	33.8	33.	.181	29.3	82.4	WNW.	.35		1.0	N., Clu a.
	7	16.0	759.95	29.835	28.5	33.7	31.9	.181	29.3	83.8	WNW.	.35		1.0	N., Clu a.
	8	16.1	759.80	29.829	29.8	34.5	33.9	.188	30.4	85.5	WNW.	.35		1.0	N., Clu a.
	9	16.1	759.50	29.821	32.	37.1	36.1	.201	33.1	88.8	WNW.	.35		1.0	N., Clu a., thA. 10m., commenced raining.
	10	16.7	759.30	29.815	34.3	38.3	36.3	.209	33.3	89.5	WNW.	.35	.0009	1.0	N., raining
	11	16.6	758.70	29.787	35.	37.	36.	.219	34.7	90.5	WNW.	.30	.1060	1.0	N., raining.
	12	16.8	757.80	29.753	31.3	36.7	35.5	.213	33.9	90.4	WNW.	.35	.0900	1.0	N.
	13	17.1	757.40	29.734	33.4	35.6	34.7	.209	33.3	90.8	N.	.30	.0040	1.0	N., N., raining, NNW.
	14	17.2	758.65	29.711	32.4	34.7	33.6	.199	32.	90.	NNW.	.55		1.0	N., NNW.
	15	18.	757.00	29.714	33.	36.1	34.1	.203	33.5	90.	NW.	.30		1.0	N.
	16	17.3	757.65	29.743	32.8	34.1	33.4	.204	33.7	90.8	NW.	.30		1.0	N.
	17	17.8	757.95	29.753	32.	34.	33.4	.203	33.6	90.8	NW.	.30	.0030	1.0	N.
	18	17.2	758.15	29.763	31.8	34.	33.3	.201	33.3	100.0	NW.	.30		1.0	N.
	19	16.7	759.35	29.806	31.8	34.	33.8	.198	31.	90.0	NW.	.30		1.0	N.
	20	15.0	759.60	29.832	30.7	33.6	33.0	.191	31.2	90.8	NW.	.35		1.0	N.
	21	16.6	760.00	29.838	31.9	34.2	33.1	.196	31.4	97.6	NNW.	.30		1.0	N.
	22	16.5	760.55	29.863	31.4	34.3	33.	.194	31.3	97.	NNW.	.35		1.0	N.
	23	16.6	761.35	29.887	31.8	34.6	33.5	.200	32.1	96.9	NNW.	.60		1.0	N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
30	0	16.1	762.30	29.931	32.	34.6	33.6	.200	32.1	96.8	NNE.	.50	..	1.0	S.
	1	16.4	762.60	29.942	32.2	34.5	33.3	.196	31.5	96.2	NNE.	.50	..	1.0	S.
	2	16.	763.35	29.973	32.	34.3	32.4	.180	29.1	93.	N.	.50	..	1.0	S.
	3	16.7	764.40	30.011	30.8	33.5	31.3	.172	27.9	92.3	NNW.	.85	..	1.0	S.
	4	18.4	765.30	30.038	31.	33.6	31.3	.171	27.7	91.2	NNW.	1.00	..	1.0	S.
	5	18.5	766.15	30.071	28.5	33.5	31.1	.169	27.4	90.8	NNW.	.80	..	1.0	S., Cu-s.
	6	18.2	766.85	30.100	28.4	33.6	31.6	.176	28.5	90.6	NNW.	.60	..	1.0	S., Cu s.
	7	17.2	767.60	30.134	27.7	32.8	30.8	.171	27.7	92.8	NNW.	.30	..	1.0	S., Cu-s.
	8	16.3	768.00	30.155	29.	33.1	31.1	.173	28.	92.8	NNW.	.30	..	1.0	S., Cu-s.
	9	16.5	768.50	30.173	29.8	35.2	32.7	.176	28.5	89.8	NNW.	.50	..	1.0	S., Cu-s.
	10	16.7	769.60	30.215	30.3	36.6	33.8	.180	29.2	89.2	NNW.	.30	..	.93	Ci-cu., S., Cu., Cu-s.
	11	16.5	769.40	30.208	30.	38.	34.3	.174	28.2	85.3	NNW.	.65	..	.98	Ci-cu., S., Cu., Cu-s., Ci s.
	12	16.	769.30	30.206	31.2	38.9	34.8	.173	28.1	83.5	NNW.	.85	..	1.0	Ci-cu., S., Cu , Cu s., Ci-s.
	13	18.2	769.93	30.219	28.	38.9	34.4	.166	26.9	80.3	NNW.	.85	..	1.0	S., Cu., Cu s.
	14	18.	769.75	30.214	28.3	38.6	34.6	.173	28.1	81.7	N.	.75	..	1.0	S., Cu., Cu s.
	15	17.5	770.60	30.250	28.5	38.3	34.3	.170	27.5	81.1	N.	.70	..	1.0	S., Cu s.
	16	16.9	770.65	30.255	27.7	37.8	34.7	.165	26.7	79.9	N.	.60	..	1.0	S., Cu s.
	17	17.3	771.15	30.273	27.3	36.5	32.5	.157	25.4	81.	NNE.	.45	..	1.0	S., Cu s.
	18	16.9	771.95	30.307	27.	35.5	31.8	.156	25.2	81.7	NNE.	.65	..	1.0	Hazy, Cu.
	19	16.9	772.90	30.344	26.8	34.5	31.1	.154	24.8	83.	NE.	.65	..	1.0	Hazy, S.
	20	16.5	772.45	30.328	26.5	33.5	30.2	.149	23.9	83.	ENE.	.65	..	1.0	Hazy, S.
	21	16.2	772.25	30.321	26.2	32.8	30.2	.161	26.	84.6	ENE.	.65	..	1.0	S.
	22	15.6	772.50	30.334	26.	32.4	30.5	.170	27.6	88.3	ENE.	.65	..	1.0	S.
	23	16.1	772.15	30.317	27.	31.2	29.8	.170	27.6	91.	ENE.	.65	..	1.0	S.

DEC.] DAILY METEOROLOGICAL OBSERVATIONS. 1843

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 16ths.	Clouds, and direction of their strata
1	0	15.6	771.60	30.399	26.	30.2	28.3	.156	25.1	93.4	ENE.	.65	..	1.0	N.
	1	15.3	771.25	30.287	26.	29.3	27.5	.152	24.4	92.4	ENE.	.80	..	1.0	N.
	2	15.7	771.30	30.287	26.4	28.	27.	.157	25.3	91.8	ENE.	.90	..	1.0	N.
	3	16.7	771.25	30.280	26.6	29.	27.	.147	23.5	91.1	ENE.	.80	..	1.0	N.
	4	16.4	770.55	30.253	26.2	29.	....	....	....	91.	ENE.	.75	..	1.0	N., 4h. 40m., commenced snowing.
	5	17.2	770.40	30.243	24.6	28.2	26.8	.151	24.3	93.7	ENE.	.75	..	1.0	N., snowing.
	6	17.	770.70	30.257	24.3	27.5	26.5	.154	24.8	96.3	ENE.	.75	..	1.0	N., snowing.
	7	15.3	769.65	30.224	24.	27.	26.1	.152	24.5	100.	E.	.75	..	1.0	N., snowing.
	8	14.2	769.40	30.219	26.6	27.7	27.3	.164	26.5	100.2	E.	.80	..	1.0	N., snowing.
	9	14.2	769.25	30.213	27.1	28.4	27.8	.166	26.9	99.4	E.	.70	..	1.0	N., snowing.
	10	14.3	768.65	30.188	27.8	28.7	28.2	.169	27.4	99.9	ENE.	.65	..	1.0	N., snowing.
	11	16.3	767.60	30.139	28.	29.2	28.6	.171	27.7	99.7	E	.70	..	1.0	N., snowing.
	12	18.3	767.05	30.107	28.9	30.9	29.9	.175	28.4	99.	E.	.60	..	1.0	N., snowing.
	13	19.5	766.15	30.067	29.3	31.6	30.4	.176	28.5	98.3	NE.	.20	..	1.0	N., snowing.
	14	20.4	765.70	30.045	28.7	32.3	31.4	.186	30.	97.	NE.	.25	..	1.0	N., snowing.
	15	21.1	765.40	30.029	29.	32.	31.3	.187	30.2	98.8	NE.	.20	..	1.0	N., snowing.
	16	20.6	764.30	29.988	29.5	32.	31.7	.184	29.8	99.	NE.	.15	..	1.0	N., snowing.
	17	20.3	764.25	29.982	28.8	31.8	31.7	.196	31.5	98.3	NE.	.09	..	1.0	N., snowing.
	18	19.3	763.70	29.971	29.	31.8	〃	〃	〃	98.7	NE.	.15	..	1.0	N.
	19	18.2	763.80	29.979	28.8	31.7	30.9	.184	29.8	98.8	NNE.	.17	..	1.0	N.
	20	17.5	763.55	29.973	29.	31.8	31.6	.194	31.2	98.7	NNE.	.40	..	1.0	N., snowing
	21	16.4	762.90	29.954	29.4	31.9	31.4	.190	30.7	98.9	NNE.	.25	..	1.0	N., snowing.
	22	16.3	762.50	29.938	30.	32.	31.6	.192	30.9	98.7	NE.	.27	..	1.0	N., snowing.
	23	15.6	762.00	29.921	30.2	32.3	31.4	.186	30.1	98.	NNE.	.30	*.008	1.0	N., snowing.

* Total snow.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
2	0	15.2	761.30	29.896	30.7	32.2	31.8	.194	31.2	98.	NNE.	.27	..	1.0	N., snowing.
	1	16.4	761.15	29.885	29.6	32.3	32.	.196	31.5	98.	NNE.	.30	..	1.0	N.
	2	16.3	760.80	29.872	30.	32.	31.5	.191	30.8	99.	NNE.	.30	..	1.0	N.
	3	16.6	760.95	29.876	30.2	31.5	31.2	.191	30.8	99.	NNE.	.25	..	1.0	N.
	4	17.1	760.90	29.871	30.	31.1	30.1	.176	28.5	98.	NNE.	.25	..	1.0	N.
	5	17.5	761.20	29.881	29.2	31.4	30.7	.183	29.6	96.1	NNE.	.25	..	1.0	S.
	6	17.3	761.30	29 886	28.5	31.	29.9	.174	28.2	95.8	NNE.	..	..	1.0	S.
	7	16.3	761.60	29.903	28.1	30.9	29.8	.173	28.	95.7	NNE.	..	..	1.0	S., Cu s.
	8	15.	761.55	29.907	27.7	30.8	29.5	.169	27.4	95.5	NNE.	..	..	1.0	Cu., S., Cu-s.
	9	15.	761.70	29.913	28.	33.4	31.4	.175	28.4	91.5	N.	.20	..	.95	Cu., Ci-cu., Cu s.
	10	16.3	761.85	29.913	28.	34 8	32.3	.174	28.2	90.	N.	..	..	.7	Cu., Ci cu., Cu s., Ci-s.
	11	18.6	762.15	29.913	28.	34.9	32.3	.173	28.	89.2	N.	.30	..	1.0	Cu., hazy, Ci-cu., Cu-s , Ci-s.
	12	17.1	761.50	29.896	28.	36.	32.7	.167	27.	85.9	N.	.25	..	1.0	Hazy.
	13	20.6	761.40	29.874	26.3	37.1	33.	.161	26.	82.	N.	.30	..	1.0	Hazy, Cu., Ci-s.
	14	19.3	761.15	29.871	26.3	37.2	33.	.160	25.9	81.2	N.	.75	..	1.0	Hazy, Cu.
	15	18.8	761.65	29.892	26.	37.5	33.	.157	25.4	78.3	N.	.40	..	1.0	Hazy, Cu., Cu-s.
	16	18.3	761.80	29.901	26.2	37.1	33	.161	26.	77.9	NNE.	.25	..	1.0	Hazy, Cu., Cu-s.
	17	17.9	762.25	29.921	27.	35.2	31.3	.155	25.	78.	N.	.20	..	1.0	Hazy, Cu., S.
	18	17.3	762.60	29.937	26.7	35 1	30.9	.150	25.9	77.8	N.	.20	..	1.0	Hazy, Cu., Cu-s.
	19	16.7	763.30	29.967	27.3	31.3	30.7	.153	24.6	79.7	N.	.20	..	1.0	Hazy, Cu., Cu-s.
	20	16.5	763.75	29.977	27.2	33.7	30.6	.159	25.7	79.4	N.	.20	..	1.0	Hazy, Cu., Cu-s.
	21	15.8	764.00	29.999	26	33.7	30.6	.159	25.7	78.9	N.	.20	..	1.0	Cu., Cu-s., S.
	22	16.4	764.05	29.999	26.5	33.5	30.1	.151	24.3	79.5	N.	.20	..	1.0	Cu., Cu s., S.
	23	16.2	764.05	30.000	26.4	33.	31.2	.176	28.5	80.	N.	.20	..	1.0	Cu., Cu-s., S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
4	0	6.4	766.40	30.140	20.2	23.2	22.6	.136	21.4	96.	NW.	.20	..	..	Clear.
	1	6.6	766.50	30.143	19.6	23.2	22.7	.138	21.8	95.4	NW.	.20	..	..	Clear.
	2	7.8	767.15	30.162	21.	23.7	23.	.137	21.6	95.1	NNW.	.20	..	..	Clear.
	3	9.6	767.25	30.157	21.6	24.1	23.8	.145	23.3	95.	W.	.20	..	..	Clear.
	4	9.4	767.15	30.154	20.2	23.8	23.2	.139	22.	94.4	W.	.20	..	..	Clear.
	5	10.3	767.05	30.146	20.4	23.9	23.7	.146	23.3	95.	W.	.20	..	..	Clear.
	6	10.4	766.95	30.143	20.5	23.9	23.6	.144	23.	96.2	W.	.20	..	.8	S., Cu-s., Ci.
	7	10.5	767.30	30.155	20.6	23.4	23.1	.142	22.6	97.3	W.	.20	..	.6	S., Cu-s., Ci.
	8	10.1	767.20	30.153	22.4	26.2	25.7	.154	24.8	99.4	WSW.	.20	..	.6	S., Cu-s., Ci-cu., Ci.
	9	10.6	767.20	30.151	26.3	28.1	27.2	.159	25.7	98.8	SW.	.20	..	1.0	S., hazy, Ci-s., Ci.
	10	12.	767.10	30.140	29.5	31.8	30.4	.174	28.2	97.	SW.	.30	..	1.0	S., hazy, Ci-s., Ci.
	11	14.4	766.40	30.101	28.9	36.3	32.1	.152	24.5	91.	SW.	.45	..	1.0	S., Ci-s., Ci.
	12	12.9	765.10	30.057	31.8	38.5	35.7	.195	31.4	90.2	SW.	.80	..	1.0	S.
	13	18.2	765.00	30.026	31.4	40.	36.6	.196	31.5	87.	SW.	1.10	..	1.0	S.
	14	18.8	764.10	29.988	31.8	39.9	36.8	.201	32.3	87.8	SW.	.80	..	1.0	S.
	15	17.2	763.70	29.980	32.3	39.7	36.9	.206	32.9	89.1	SW.	.45	..	1.0	S., Cu-s.
	16	15.	763.00	29.963	33.3	38.8	36.7	.212	33.7	91.9	SW.	.25	..	1.0	S., Cu-s., *W.*
	17	13.8	762.25	29.940	32.8	37.8	35.7	.204	32.6	93.3	SW.	.20	..	1.0	S., Ci-cu., Cu.
	18	13.	761.75	29.924	33.	37.3	36.	.215	34.1	94.3	SW.	.20	..	1.0	S., Ci-cu., Cu-s.
	19	13.5	760.90	29.889	32.5	36.8	35.3	.207	33.1	96.8	SW.	.20	..	1.0	S., Cu.
	20	15.3	760.70	29.873	33.5	37.1	35.6	.209	33.3	96.3	SW.	.20	..	1.0	S., Cu., Cu s.
	21	16.2	760.65	29.867	34.	37.6	36.2	.215	34.1	96.5	SW.	.32	..	1.0	S., Cu., Cu-s.
	22	17.3	760.50	29.855	34.8	37.7	36.5	.221	34.9	96.9	W.	.20	..	.7	S., Cu-s.
	23	17.3	760.30	29.847	35.4	37.2	36.6	.228	35.8	97.3	WSW.	.20	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
5	0	16.9	760.00	29.837	34.	37.	36.	.219	34.7	96.8	WSW.	..	..	..	Clear.
	1	16.6	759.75	29.828	32.	34.8	33.7	.200	32.1	98.	WSW.	..	..	..	Clear.
	2	16.7	759.80	29.830	29.6	32.6	32.	.192	30.9	96.7	WSW.	..	..	..	Clear.
	3	17.3	759.85	29.829	29.2	31.8	31.5	.193	31.1	100.	WSW.	..	..	..	Clear.
	4	16.8	759.45	26.816	29.	31.5	31.1	.189	30.5	99.8	WSW.	..	..	1.0	Cu., Ci-cu.
	*5	17.3	759.90	29.831	29.1	31.7	31.1	.187	30.2	97.5	WSW.	..	..	.5	Cu., S., Cu-s.
	6	17.2	759.85	29.829	29.	32.8	31.5	.183	29.6	93.9	WSW.	..	..	.5	Cu., Cu-s., *W.*
	7	16.7	759.90	29.834	27.7	37.5	32.8	.152	24.5	80.	W.	.1	..	1.0	Cu., Cu-s., hazy, *WSW.*
	8	15.8	761.05	29.883	27.5	36.5	32.6	.160	25.9	83.2	NW.	1.4	..	1.0	Cu., hazy, *NW.*
	9	15.2	761.00	29.886	20.	36.1	30.3	.120	18.5	74.2	NW.	3.6	..	1.0	Cu., hazy.
	10	14.7	761.30	29.900	19.4	36.	29.7	.121	16.3	71.	NW.	†6.0	..	1.0	Cu., hazy.
	11	17.7	762.25	29.919	19.	36.	29.7	.121	16.3	70 5	NNW.	5.0	..	1.0	Cu., S., hazy.
	12	18.8	762.25	29.915	19.5	36.	30.	.126	19.4	70.8	NW.	5.5	..	1.0	Cu., hazy.
	13	20.	762.50	29.920	19.5	36.3	30.1	.124	18.9	70.5	NW.	‡6.0	..	1.0	Cu., hazy.
	14	19.1	763.25	29.953	20.5	36.6	30.8	.132	20.6	71.	NW.	5.3	..	1.0	Cu., hazy.
	15	18.2	763.90	29.983	20.	36.4	30.4	.127	19.5	69.9	NW.	4.5	..	1.0	Cu., hazy.
	16	19.8	764.90	30.017	20.	35.4	29.7	.126	19.3	70.7	NW.	2.8	..	1.0	Cu., hazy.
	17	20.7	765.90	30.051	19.5	33.9	29.	.129	19.9	71.6	NW.	1.6	..	1.0	Hazy.
	18	20.8	766.65	30.080	20.	33.1	27.9	.119	17.7	72.	NW.	2.0	..	1.0	Hazy.
	19	17.6	766.75	30.100	19.3	32.1	27.	.115	16.8	71.8	NW.	2.5	..	1.0	Hazy.
	20	16.7	767.20	30.121	19.	31.2	26.1	.109	15.5	71.	NNW.	1.8	..	1.0	Hazy.
	21	15.2	767.65	30.146	16.	30.3	25.5	.109	15.5	71.3	NNW.	.7	..	1.0	Hazy.
	22	14.3	767.80	30.156	16.5	29.4	25.2	.113	16.4	73.	NNW.	.7	..	1.0	Hazy.
	23	14.4	768.60	30.188	17.	28 2	24.7	.117	17.3	74.9	NNW.	.033	..	1.0	Hazy.

* Thirty minutes late.

† As high as 10 pounds.

‡ As high as 8.75 pounds.

DAILY METEOROLOGICAL OBSERVATIONS

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Obs'd height, inches.	Thermometer. Fah. Dew point.	Thermometer. Fah. Dry.	Thermometer. Fah. Wet.	Force of vapour, ins.	Calculated dew pt.	Hygr., Saussure's	Wind. Dir., points.	Wind. Force, lbs.	Wind. Scale.	Rain, inches.	Weather.
6	0	13.7	769.00	30.297	18.5	25.4	24.4	.142	22.6	78.	NNW.	1000		0.0	Rain, N.
	1	13.3	769.00	30.307	20.	26.6	24.8	.136	21.4	79.4	NNW.	1000		0.0	Rain, N.
	2	12.3	769.00	30.313	19.4	25.4	23.6	.124	19.7	81.2	NNW.	1000		0.0	Rain, N.
	3	11.8	769.25	30.324	18.6	24.2	22.1	.119	17.7	81.3	NNW.	1000		0.0	Rain
	4	11.8	769.50	30.334	17.7	23.4	21.5	.114	17.6	81.3	NNW.	1000		0.0	Rain
	5	11.8	770.35	30.370	14.5	21.2	19.6	.110	15.6	84.	NNE.	1000		0.0	Rain
	6	12.3	770.50	30.371	14.9	21.3	19.5	.109	15.4	84.3	NNE.	1000		0.0	Rain
	7	11.6	771.25	30.304	15.	20.4	18.9	.109	15.4	84.3	NNE.	1000		0.0	Rain
	8	11.5	771.15	30.302	15.7	22.	20.2	.113	16.1	84.3	NNE.	1000		0.0	Rain
	9	12.2	771.40	30.307	16.	24.4	21.6	.108	16.3	81.2	NNE.	1000		0.0	Rain
	10	14.4	771.65	30.306	17.3	26.6	22.8	.113	16.8	80.6	NNE.	1000		0.0	Rain
	11	17.2	771.35	30.277	18.4	27.6	24.3	.118	17.6	79.4	NNE.	1000		0.0	Rain
	12	17.9	770.60	30.248	19.2	28.9	25.6	.126	19.1	79.6	NNE.	1000		0.0	Rain
	13	18.8	770.35	30.233	20.2	30.2	26.6	.136	19.9	79.2	NNE.	1000		0.0	Rain
	14	19.5	769.80	30.209	20.	30.6	26.7	.136	19.1	78.8	NNE.	1000		0.0	Rain
	15	19.6	769.65	30.202	23.2	30.1	27.	.136	21.4	78.3	N.	1000		0.0	Rain
	16	18.4	769.50	30.203	21.7	29.9	26.7	.133	20.8	80.	NNW.	1000		0.0	Rain
	17	18.6	769.55	30.203	22.8	29.1	26.7	.141	23.4	84.6	NW.	1000		0.0	Rain
	18	17.4	770.00	30.226	24.	27.1	26.5	.158	25.5	94.3	WNW.	1000		0.0	Rain
	19	16.3	768.80	30.173	23.	26.8	26.	.153	24.6	96.1	W.	. . .	. . .	0.0	Rain, N.
	20	16.5	768.35	30.167	23.7	28.	27.1	.158	25.6	96.	W.	. . .	. . .	0.0	Rain, N.
	21	15.4	767.15	30.126	24.4	28.2	27.6	.164	26.6	94.	N.	. . .	. . .	0.0	Rain, N.
	22	14.5	767.25	30.134	23.6	....	....	....	....	98.9	NNW.	. . .	. . .	0.0	Rain, N.
	23	14.8	767.15	30.129	23.6	29.5	27.2	.146	23.2	88.1	NNW.	. . .	. . .	0.0	Rain, N.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
7	0	14.6	765.95	30.082	24.2	29.2	28.4	.167	27.1	92.9	SE.	..	..	1.0	S.
	1	14.4	765.60	30.069	23.	28.9	27.6	.157	25.3	92.8	SE.	..	..	1.0	S., N.; 1*h.* 30*m.*, commenced snowing.
	2	14.3	765.15	30.051	23.2	28.7	27.5	.158	25.4	93.3	SE.	..	..	1.0	N., snowing.
	3	15.	764.45	30.021	25.1	28.4	27.3	.157	25.3	99.	SE.	..	..	1.0	N., snowing.
	4	15.3	763.80	29.991	24.2	27.7	27.3	.164	26.5	99.6	SE.	..	..	1.0	N., snowing.
	5	16.2	762.60	29.943	25.8	27.8	27.2	.162	26.3	100.8	SE.	..	..	1.0	N., snowing.
	6	17.3	761.70	29.902	26.2	28.2	27.6	.164	26.5	100.3	SE.	..	..	1.0	N., snowing.
	7	16.	760.70	29.860	26.2	28.5	28.	.168	27.2	100.8	ESE.	..	..	1.0	N., snowing.
	8	15.	760.20	29.854	26.8	28.4	27.8	.166	27.	99.7	ESE.	.05	..	1.0	Hailing, N.
	9	14.3	759.20	29.817	27.7	29.2	28.5	.169	27.3	99.4	E.	.05	..	1.0	N., hailing, snowing.
	10	14.6	758.25	29.779	27.6	29.4	28.7	.170	27.6	99.	E.	.03	..	1.0	N., hailing, snowing.
	11	16.2	756.75	29.713	28.6	30.3	29.5	.174	28.2	98.8	E.	.03	..	1.0	N., hailing, snowing.
	12	16.7	755.25	29.653	29.	31.1	30.1	.176	28.5	98.4	E	..	..	1.0	N., hailing, snowing.
	13	17.8	754.20	29.605	28.2	30.4	29.4	.172	27.9	97.2	NE.	.10	..	1.0	N., snowing.
	14	19.	753.40	29.569	28.4	30.3	29.5	.174	28.2	97.4	N.	.25	..	1.0	N., snowing.
	15	19.	753.55	29.575	28.4	29.4	28.9	.173	28.	98.9	NNW.	.25	..	1.0	N , snowing.
	16	18.6	753.40	29.571	28.4	29.2	28.8	.174	28.2	99.2	NW.	..	..	1.0	N., snowing.
	17	18.2	753.75	29.586	29.	29.5	29.	.164	26.5	100.	NW.	..	..	1 0	N., snowing.
	18	17.4	753.55	29.582	26.9	29.1	27.9	.160	25.9	97.5	NW.	.20	..	.7	Cu., Cu-s.; 18*h.*, stopped snowing.
	19	16.5	753.70	29.593	25.	28.2	27.1	.156	25.2	95.1	W.	.30	..	1.0	Hazy, S.
	20	15.5	754.00	29.609	26.	29.5	28.	.158	25.5	94.	WNW.	.70	..	1.0	Hazy.
	21	15.7	754.40	29.625	26.2	32.3	29.4	.153	24.6	88.4	WNW.	2.00	..	1.0	Hazy.
	22	13.7	754.95	29.656	28.9	33.6	31.6	.176	28.5	84.3	WNW.	*2.30	..	.6	Cu-s., Cu., S.
	23	13.5	755.80	29.688	30.2	34.6	32.	.173	28.	82.5	WNW.	1.90	†.4	1.0	S.

* As high as 5 pounds.

† Total snow.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
8	0	13.2	756.35	29.710	28.5	35.6	31.7	.157	25.3	80.6	WNW.	1.00	..	1.0	S.
	1	13.8	756.90	29.730	29.7	35.4	31.6	.157	25.3	81.6	NNW.	1.80	..	1.0	Cu.
	2	12.5	757.45	29.759	29.5	35.9	31.7	.154	24.8	81.1	WNW.	1.60	..	1.0	Cu., *NNW.*
	3	12.4	757.95	29.779	28.4	35.2	31.4	.156	25.2	81.5	NW.	1.20	..	..	Clear.
	4	12.6	758.45	29.798	29.1	35.1	31.7	.162	24.5	82.9	NW.	.40	..	1.0	Cu.
	5	13.	759.00	29.816	25.8	35.5	31.5	.155	25.	82.2	NW.	.70	..	1.0	Cu.
	6	12.6	760.05	29.861	24.2	33.5	30.	.151	24.3	83.5	WNW.	.60	..	1.0	Cu., hazy.
	7	13.	761.20	29.903	23.	28.5	26.4	.142	22.6	86.	WNW.	..	..	1.0	S., hazy.
	8	12.6	761.10	20.902	22.8	28.8	26.2	.136	21.4	87.8	W.	..	..	1.0	S., hazy.
	9	13.5	761.40	29.908	25.8	30.8	28.3	.150	24.1	85.6	W.	..	..	1.0	S., hazy.
	10	14.3	761.70	29.916	27.4	32.6	30.	.160	25.9	85.6	W.	..	..	1.0	S., hazy.
	11	15.3	761.65	29.910	25 6	36.6	31.8	.150	24.1	75.8	WNW.	1.60	..	1.0	S., Ci-s., hazy.
	12	13.8	760.40	29.868	25.8	36.4	31.6	.148	23.7	74.	WNW.	1.70	..	1.0	S., Ci-s., Cu., hazy, Ci.
	13	17.4	760.55	29.856	24.	37.9	32.	.140	22.2	74.6	WNW.	.80	..	1.0	S., Cu-s., Ci s., Cu., hazy, Ci.
	14	18.9	760.30	29.839	24.2	38.	33.	.151	24.3	74.9	W.	.20	..	1.0	S., Cu-s., Cu., hazy, Ci.
	15	18.9	760.20	29.825	26.	38.4	34.	.165	26.7	77.1	W.	.05	..	1.0	S , Cu-s.
	16	18.4	759.55	29.812	27.3	35.8	32.8	.171	27.7	82.8	WSW.	..	..	1.0	S., Cu-s., Ci cu.
	17	18.7	759.40	29.807	28.	34.8	32.5	.177	28.7	86.9	WSW.	..	..	1.0	S., Cu-s.
	18	17.5	758.85	29.791	27.4	33.4	32.	.183	29.6	90.7	SW.	.10	..	.5	S.
	19	16.2	758.05	29.725	27.5	31.6	30.	.168	27.2	91.4	SSW.	.10	..	.2	S., Cu s.
	20	15.1	757.95	29.768	27.1	30.6	29.5	.170	27.5	93.	SSW.	.21	..	1.0	S., hazy, Cu-s., Cu.
	21	14.3	757.65	29.758	27.3	30.6	29.6	.172	27.9	95.5	SW.	..	..	1.0	S , hazy.
	22	14.3	757.25	29.742	27.2	31.4	30.2	.175	28.	94.	SW.	..	..	1.0	S.
	23	14.2	756.70	29.722	27.	31.3	29.9	.171	27.4	93.8	SW.	..	..	1.0	S., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
9	0	14.3	755.75	29.683	28.2	32.4	31.	.176	28.5	94.5	SW.	..	..	1.0	S., Cu s.
	1	13.8	755.25	29.666	28.	32.1	30.8	.178	28.8	95.6	SW.	..	..	1.0	S., Cu-s.
	2	14.2	755.20	29.663	28.1	32.9	31.6	.183	29.7	96.1	SW.	..	..	1.0	S., Cu-s.
	3	13.9	755.10	29.660	28.5	32.6	31.5	.185	29.9	97.7	SW.	..	..	1.0	S., Cu-s.
	4	13.7	754.80	29.650	29.1	32.4	31.4	.185	29.9	98.	SW.	..	..	1.0	Cu., Cu-s.
	5	13.7	754.80	29.650	30.2	32.7	31.7	.187	30.2	97.4	SW.	..	..	1.0	N., snowing.
	6	13.8	755.00	29.656	29.	36.2	33.6	.182	29.4	92.2	WSW.	..	..	1.0	Cu., Cu-s.
	7	14.3	755.55	29.675	28.6	36.2	32.8	.167	27.1	86.8	NW.	1.30	..	1.0	Cu., Cu-s.
	8	14.2	756.00	29.693	28.4	35.9	32.3	.163	26.4	85.8	WNW.	.70	..	1.0	Cu , S., Cu-s.
	9	14.2	756.40	29.709	27.8	36.3	32.2	.155	25.	82.7	WNW.	.60	..	1.0	S.
	10	14.3	756.40	29.707	27.	36.8	32.2	.150	24.1	79.9	WNW.	.30	..	1.0	S., Cu-s.
	11	15.	756.25	29.698	27.5	36.8	32.5	.155	25.	80.9	WNW.	1.00	..	1.0	Hazy, S., Cu-s., Ci-cu.
	12	16.5	755.85	29.677	26.3	36.4	32.2	.154	24.8	81.8	WNW.	1.30	..	1.0	Hazy, S , Cu-s., Ci-cu.
	13	18.	755.80	29.667	26.2	35.7	31.8	.159	25.7	82.8	NW.	1.70	..	1.0	Hazy, S., Cu-s., Ci-cu.
	14	19.1	755.85	29.663	27.4	34.2	31.9	.176	28.5	84.2	NW.	1.70	..	1.0	S.
	15	18.6	756.35	29.685	22.3	32.6	28.7	.128	20.8	82.6	NW.	1.50	..	1.0	S.
	16	18.2	756.50	29.692	20.8	31.9	27.4	.124	17.8	79.2	WNW.	1.80	..	1.0	Hazy, S., Cu-s., Ci-cu.
	17	17.2	756.90	29.713	20.7	31.	27.2	.130	20.1	78.8	WNW.	.70	..	1.0	Hazy, S.
	18	16.4	758.00	29.761	22.7	31.1	26.6	.119	17.8	76.8	WNW.	.90	..	1.0	Hazy, S.
	19	16.5	757.65	29.748	22.	30.5	26.2	.119	17.8	77.	WNW.	.90	..	1.0	Hazy, S., Cu-s.
	20	15.1	757.75	29.758	21.2	29.	25.3	.120	18.	78.9	WNW.	.60	..	.3	S., Cu-s.
	21	14.9	757.95	29.776	20.8	28.5	24.9	.118	17.5	80.	WNW.	.50	..	.4	S., Cu-s.
	22	13.8	758.20	29.781	19.7	27.3	23.3	.106	14.6	80.	WNW.	.73	..	1.0	Hazy, S., Cu-s.
	23	13.4	758.60	29.799	19.7	27.2	23.1	.104	14.1	80.1	NW.	.87	..	1.0	Hazy, S.

Date	Hour	Barometer. Temperature of the air	Barometer. Observed height reduced to 32°	Barometer. Corrected height	Thermometers, Fah. Dew point	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapour in inches	Calculated dew point	Hygrometric state of the air, Saturation = 1	Wind. Direction	Wind. Force, 1 to 6	Rain, inches	Hygrometric state of the air, Saturation = 1	Clouds, and direction of their motion
11	0	4.6	764.65	30.080	33.1	34.8	33.6	.189	33.	94.	W.	.10		1.0	[illegible], [illegible]
	1	5.	765.80	30.034	33.2	34.5	33.6	.188	31.8	93.6	WNW			1.0	[illegible], [illegible]
	2	6.7	765.85	30.036	33.1	34.2	33.2	.183	30.8	90.8	WNW.			1.0	[illegible], [illegible]
	3	7.2	765.90	30.005	33.1	33.8	33.	.180	31.4	93.2	WNW.			.4	[illegible], [illegible]
	4	9.1	765.95	30.000	34.2	35.8	34.8	.193	30.8	90.2	WNW			.7	[illegible], [illegible]
	5	9.1	761.85	29.947	34.8	35.	33.	.184	30.0	90.	WNW.			1.0	[illegible], [illegible], R., N.
	6	9.8	760.70	29.900	33.	36.2	34.0	.161	28.4	84.7	WNW.			1.0	[illegible], [illegible], R., N.
	7	10.2	760.15	29.878	37.	41.4	39.1	.178	36.	94.6	W.	.60		1.0	[illegible], R.
	8	10.2	759.00	29.837	37.3	38.2	41.1	.178	37.2	95.3	NW.	1.80		1.0	[illegible], R.
	9	12.2	759.00	29.840	39.2	45.5	43.3	.184	39.2	93.2	NW.	1.60		1.0	[illegible], R., NNW
	10	12.2	758.80	29.807	40.5	46.7	44.4	.191	40.4	93.2	NW.	1.80		1.0	[illegible], R., NNW.
	11	15.8	758.25	29.778	41.6	48.	45.2	.199	40.2	90.	WNW.	.90		1.0	[illegible], R., NNW., [illegible]
	12	16.4	758.05	29.768	42.2	48.5	46.7	.196	41.6	91.2	WNW	.90		1.0	N., [illegible]
	13	17.1	757.40	29.734	42.4	48.	46.8	.203	42.2	94.2	NW	1.80		1.0	N., [illegible]
	14	15.1	756.70	29.716	42.7	47.6	45.7	.206	43.2	95.2	NW	1.10		1.0	R.
	15	14.8	756.80	29.738	43.2	47.2	45.8	.211	43.6	95.8	NW.	.90		1.0	R., [illegible]
	16	15.1	757.00	29.738	43.2	47.6	46.1	.210	43.2	95.7	NW.	.70		1.0	R., [illegible], [illegible]
	17	16.8	757.20	29.738	43.7	47.6	46.2	.216	44.2	94.8	NW.	.60		1.0	R.
	18	17.1	757.40	29.735	43.2	47.6	46.2	.217	44.4	96.7	NW.	.94		1.0	R.
	19	18.	758.00	29.753	44.2	47.7	46.6	.222	45.2	97.8	NW.	.80		1.0	R.
	20	17.1	757.90	29.755	44.6	46.9	46.	.220	44.8	96.6	NW.	.80		1.0	R.
	21	16.4	757.85	29.744	43.8	46.	45.1	.213	43.8	96.8	NW.	.80		1.0	R.
	22	15.6	757.75	29.755	43.2	46.2	44.7	.203	42.4	96.2	NW.	.10		1.0	[illegible], R., [illegible], NW.
	23	15.2	757.80	29.759	42.6	47.6	45.2	.196	41.6	93.2	WNW.	.11	*.081	1.0	[illegible], R., [illegible]

* Total rain.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
12	0	14.8	757.95	29.768	31.8	36.9	34.3	.187	30.2	89.8	NNW.	.32	..	.5	S., Ci., Ci-s., *SW.*
	1	14.7	758.05	29 771	31.2	35.5	33.4	.187	29.5	91.3	NNW.	.25	..	1.0	S., Cu., hazy, Ci-s., Cu-s.
	2	14 9	758.35	29.781	29.8	32.7	31.6	.185	29.9	93.4	NNW.	.25	..	.2	S., Cu., Cu-s.
	3	14.5	758.15	29.776	27.4	32.	30.7	.177	28.7	93.2	NNW.	.25	..	1.0	S., Cu-s.
	4	14 3	757.95	29.769	28.	32.3	30.3	.168	27.3	90.8	NNW.	.25	..	1.0	S., Cu-s.
	5	15.1	758.00	29.767	26.3	31.5	30.	.171	27.7	91.	NNW.	.10	..	1.0	Cu., Cu-s.
	6	14.7	758.25	29.779	26.	30.6	29.4	.170	27.6	93.3	NNW.	..	..	1.0	S., Cu s.
	7	14.8	758.75	29.799	24.2	31.4	28.9	.153	24.7	88.2	NW.	..	..	1.0	S., Cu , Cu s., *SW.*
	8	14.2	758.80	29.804	22.8	31.2	28.3	.146	23.4	84.8	NW.	..	..	1.0	Hazy, Cu., Cu-s.
	9	14.2	758.90	29.808	23.	33.5	29.6	.144	23.	81.8	NW.	..	..	1.0	Hazy, Cu., Ci s., Cu-s.
	10	15.2	758.85	29.800	28.	35.2	31.	.150	24.1	82.	NW.	.70	..	1.0	Hazy, Ci-cu., Cu-s.
	11	16.2	758.95	29.800	26.2	34.5	30.7	.152	21.5	83.2	NNW.	1.80	..	1.0	Hazy, Cu-s.
	12	17.	759.10	29.800	29.	35.	31.3	.157	25.4	83.2	NNW.	1.75	..	1.0	Hazy, Cu-s.
	13	18.	759.50	29.812	24.	35.2	31.	.150	24.1	82.5	NW.	1.75	..	1.0	Hazy, Cu-s.
	14	17.8	760.25	29.843	22.7	34.4	29.4	.132	20.6	77.2	NW.	2.90	..	1.0	Hazy, Cu., Cu-s.
	15	17.2	761.30	29.886	20.3	33.2	28.	.121	18.2	75.4	NW.	3.20	..	1.0	Hazy, Cu., Cu-s.
	16	16.4	762.05	29.920	18.	31.8	26.8	.115	16.8	73.8	NW.	2.60	..	1.0	Hazy, S.
	17	15.8	763.65	29.985	17.8	29.6	25.6	.117	17.3	78.2	NNW.	2.90	..	1.0	Hazy, S., Cu., Cu-s.
	18	14.1	764.50	30.028	18.	28.5	24.	.103	13.8	77.	NNW.	2.00	..	1.0	Hazy, S., Cu., Cu-s.
	19	12.8	765.85	30.087	17.8	26.	24.5	.137	21.6	77.	NNW.	2.00	..	1.0	Hazy, S., Cu.
	20	11.	766.40	30.117	17.	23.5	20.4	.100	13.	76.4	NNW.	*3.00	..	.6	S.
	21	10.5	767.40	30.159	16.3	21.5	18.5	.092	10.8	76.	NNW.	2.80	..	.2	S.
	22	9.	768.45	30.206	15.6	20.4	17.6	.090	10.2	76.4	NNW.	1.90	..	.4	S., Cu., Cu-s.
	23	8.9	769.00	30.230	15.9	20.3	17.6	.091	10.5	76.9	NNW.	.40	..	.4	S., Cu.

* As high as five pounds this hour.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
13	0	8.3	769.60	30.295	14.2	19.1	16.6	.089	9.9	78.	NNW.	2.2	..	..	Clear.
	1	7.9	770.65	30.299	14.3	18.1	15.6	.085	8.7	76.6	NNW.	1.9	..	..	Clear.
	2	8.2	771.15	30.316	14.	17.3	14.6	.079	6.1	75.9	NNW.	2.5	..	..	Clear.
	3	8.1	772.05	30.352	13.2	16.1	13.9	.081	7.4	77.2	NNW.	2.2	..	..	Clear.
	4	7.9	772.95	30.388	13.6	15.6	13.5	.081	7.4	77.7	NNW.	2.0	..	..	Clear.
	5	7.2	773.70	30.423	6.	15.	12.7	.075	5.4	77.8	NNW.	1.6	..	..	Clear.
	6	6.7	774.10	30.441	4.2	14.	12.	.076	5.8	78.3	NNW.	.8	..	..	Clear.
	7	7.	775.45	30.494	5.	13.2	11.7	.080	7.1	78.6	NNW.	.5	..	..	Clear.
	8	6.8	776.00	30.515	5.4	13.7	11.7	.075	5.4	78.8	NNW.	.4	..	1.0	Hazy.
	9	2.9	776.65	30.560	6.8	15.1	13.1	.080	7.1	79.	NNW.	.5	..	1.0	Hazy.
	10	1.1	777.10	30.586	7.	16.1	13.8	.079	6.7	77.5	NNW.	.5	..	1.0	Hazy.
	11	5.1	777.85	30.597	7.7	17.1	14.5	.078	6.5	76.3	NNW.	1.7	..	1.0	Hazy.
	12	6.	777.90	30.593	8.2	19.1	16.2	.082	7.7	75.2	NNW.	1.3	..	1.0	Hazy.
	13	8.8	777.95	30.583	8.2	20.5	17.2	.083	7.9	73.2	NNW.	1.0	..	1.0	Hazy.
	14	10.3	778.25	30.587	8.8	21.7	18.3	.086	9.	73.	NNW.	.1	..	1.0	Hazy.
	15	10.5	778.45	30.594	9.	22.4	18.7	.085	8.7	71.2	NW.	.1	..	1.0	Hazy.
	16	10.5	778.55	30.598	8.6	21.8	18.4	.087	9.3	71.2	NW.	.1	..	1.0	Hazy.
	17	10.5	778.40	30.592	10.2	20.7	17.6	.085	8.7	70.5	NW.	..	..	1.0	Hazy.
	18	10.3	778.55	30.599	7.3	18.	16.	.092	10.8	75.4	NW.	..	..	..	Clear.
	19	9.6	778.05	30.600	9.8	17.5	15.4	.088	9.6	76.4	NW.	..	..	..	Clear.
	20	9.5	778.90	30.617	10.3	16.1	14.5	.089	7.1	82.5	NW.	..	..	..	Clear.
	21	9.2	778.40	30.598	12.7	16.6	15.6	.100	13.	82.5	NW.	..	..	..	Clear.
	22	8.7	778.55	30.607	10.6	14.8	14.2	.096	12.5	82.	WNW.	..	..	..	Clear.
	23	8.4	778.75	30.616	9.9	13.9	13.4	.096	12.	84.4	WNW.	.. ●	..	..	Clear.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
14	0	7.7	778.50	30.609	9.1	12.7	12.5	.096	12.	88.5	WNW.	.07	..	.3	S.
	1	7.4	778.20	30.599	9.7	11.9	11.5	.090	10.2	90.2	WNW.	..	..	..	Clear.
	2	7.1	778.20	30.600	9.5	12.	11.7	.092	10.8	92.4	WNW.	..	..	..	Clear.
	3	6.5	777.95	30.594	9.7	13.	12.6	.094	11.4	92.9	WNW.	..	..	..	Clear.
	4	6.4	777.70	30.584	9.7	13.5	13.2	.097	12.2	92.9	WNW.	..	..	..	Clear.
	5	6.1	777.70	30.585	9.7	13.7	13.3	.097	12.2	94.3	WNW.	..	..	1.0	Ci., S.
	6	5.8	777.40	30.575	10.5	13.3	13.2	.100	13.	95.	WNW.	..	..	1.0	Ci., hazy, Cu-s.
	7	5.9	777.75	30.588	11.3	13.6	13.6	.102	13.6	98.	WNW.	..	..	1.0	Ci., Ci s., Cu.
	8	6.1	777.70	30.585	13.3	15.2	15.	.105	14.5	96.2	WNW.	..	..	1.0	Ci., Ci-s., Cu.
	9	8.2	778.35	30.600	17.8	19.7	18.8	.115	16.8	92.2	WNW.	..	..	.6	Ci., Ci-s., Cu-s.
	10	8.	778.15	30.593	17.7	23.9	22.	.120	18.	89.6	WSW.	.10	..	1.0	Hazy, Ci-s., Cu-s.
	11	9.6	777.65	30.566	21.9	27.7	25.5	.136	21.4	89.	SW.	.10	..	1.0	Hazy, S., Cu-s.
	12	9.4	776.85	30.536	24.2	31.7	28.5	.143	22.8	85.2	WSW.	.70	..	1.0	Hazy, S.
	13	13.	776.65	30.511	23.6	33.	29.4	.145	23.2	85.	WSW.	.60	..	1.0	Hazy.
	14	15.3	775.60	30.459	23.6	34.9	30.7	.147	23.5	82.7	SW.	.40	..	1.0	Hazy, Ci-s.
	15	15.6	775.25	30.443	24.1	35.6	31.5	.151	24.3	79.8	SW.	.35	..	1.0	Hazy, Ci-s., Ci., S.
	16	15.8	775.00	30.432	24.6	35.4	31.6	.157	25.3	78.8	SW.	.30	..	1.0	Hazy, Ci s., Ci., S.
	17	15.6	774.60	30.417	24.	33.5	31.5	.176	28.5	81.4	SW.	.10	..	1.0	Hazy, Cu s., S.
	18	15.8	774.55	30.414	26.	31.8	30.5	.176	28.5	81.8	SW.	.10	..	1.0	Hazy, S.
	19	14.8	774.65	30.423	25.3	30.5	28.5	.156	25.2	82.5	SW.	.10	..	1.0	Hazy, S.
	20	14.4	774.55	30.420	25.3	29.	27.7	.157	25.4	84.6	SW.	.10	..	1.0	S.
	21	14.7	774.20	30.405	23.6	28.	25.6	.133	20.8	88.	SW.	.10	..	1.0	S.
	22	14.1	774.05	30.402	23.9	28.6	27.1	.152	24.5	89.	SW.	.10	..	1.0	S.
	23	16.5	773.95	30.388	2[illegible].4	29.	27.4	.153	24.6	88.8	SW.	.10	..	1.0	S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
15	0	13 9	773.40	30.378	28.	30.6	29.	.163	26.4	91.2	SW.	.1	..	1.0	S.
	1	14.4	773.10	30.363	24.2	30.6	29.	.163	26.4	92.9	SW.	..	..	.9	Ci-cu., Cu.
	2	14.3	773.20	30.367	22.9	27.8	27.	.158	25.5	96.1	WSW.	..	..	.5	Ci-cu., Cu.
	3	14.5	773.15	30.365	21.5	26.2	25.4	.149	23.9	97.3	WSW.	..	..	.2	Ci-cu.
	4	14.	773.45	30.379	21.2	24.8	24.1	.143	22.8	98.1	WSW.	..	..	.3	Ci-cu.
	5	14.5	773.25	30.369	23.	26.5	25.7	.151	24.3	99.	WSW.	..	..	1.0	Ci-cu., Ci s., *W.*
	6	12.9	773.30	30.379	24.	26.7	26.	.154	24.8	98.5	WSW.	..	..	1.0	Ci-cu., Ci s., S., *W.*
	7	12.9	773.80	30.399	25.	27.3	26.7	.159	25.7	99.5	WSW.	..	..	1.0	Ci-cu., Cu-s., *W.*
	8	12.3	773.80	30.400	25.5	27.6	27.	.161	26.	99.4	SW.	..	..	1.0	Ci cu., Ci-s., Cu-s., S.
	9	12.	773.75	30.402	27.6	31.3	30.	.173	28.	97.1	SW.	..	..	1.0	Ci-cu., Ci-s., Cu-s., S.
	10	12.9	774.00	30.406	28.5	34.7	32.4	.176	28.5	90.9	SW.	..	..	1.0	Ci-cu., Ci , Cu-s., hazy.
	11	14.8	774.15	30.403	28.8	37.3	34.2	.180	29.2	85.9	SW.	..	..	1.0	Ci cu., Ci s., S., hazy.
	12	16.9	773.90	30.384	30.2	39.1	35.8	.190	30.6	84.9	SW.	..	..	1.0	Ci-cu , Ci-s., Ci., hazy.
	13	18.3	773.20	30.348	29.8	40.6	36.7	.191	30.8	81.9	SW.	..	..	1.0	Ci-s., hazy.
	14	19.2	773.10	30.341	27.	41.2	36.8	.186	30.1	79.9	SW.	..	..	1.0	Ci., hazy.
	15	20.	773.30	30.344	26.8	42.	37.1	.183	29.6	75 3	SW.	..	..	1.0	Hazy.
	16	20.3	773 30	30.343	26.3	41.3	36.5	.179	29.	75.2	SW.	..	..	1.0	Ci., hazy.
	17	20.3	773.45	30.349	27.9	38.5	34.7	.176	28.5	76.2	SW.	..	..	1.0	S., hazy.
	18	19.8	773.50	30.354	29.5	37.1	33.5	.169	27.4	78.6	SW.	..	..	1.0	S., hazy.
	19	19.6	773.75	30.364	27.4	34.8	31.9	.170	27.6	80.3	SW.	..	..	1.0	S., hazy.
	20	19.3	773.20	30.344	28.7	32.7	30.5	.167	27.1	85.2	SW.	..	..	1.0	S., hazy.
	21	18.8	773.45	30.356	27.	32.3	30.	.163	26.4	87.3	SW.	..	..	1.0	S., hazy.
	22	19.3	773.60	30.360	26.	32.5	30.3	.166	26.9	89.	SSW.	..	..	1.0	S , Cu-s , hazy.
	23	18.4	772.95	30.338	26.	34.	31.5	.171	27.7	88.3	S.	..	..	1.0	S., Cu-s.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussare's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
16	0	18.1	772.65	30.327	26.8	33.9	31.7	.175	28.4	90.2	S.	..	..	1.0	Cu-s., S.
	1	18.	772.05	30.304	27.3	36.2	32.5	.161	26.	85.2	SE.	.30	..	1.0	Cu-s., S.
	2	17.5	771.60	30.290	26.3	35.5	32.5	.169	27.4	88.9	ESE.	.30	..	1.0	Cu s., S.
	3	17.	770.95	30.267	26.9	34.7	32.3	.174	28.2	91.4	ESE.	.30	..	1.0	Cu-s.
	4	17.2	770.70	30.255	26.9	34.8	32.5	.177	28.7	92.6	ESE.	.30	..	1.0	N., raining.
	5	16.8	769.90	30.227	28.2	36.	33.	.173	28.	90.	ESE.	.30	..	1.0	N.
	6	16.	769.75	30.224	29.8	36.5	34.	.186	30.1	94.	ESE.	.40	..	1.0	N., raining.
	7	16.3	769.25	30.202	32.5	37.1	35.5	.208	33.2	98.3	E.	.35	..	1.0	S., Cu-s.
	8	16.	768.75	30.185	34.8	37.4	36.4	.222	35.	100.5	E.	.33	..	1.0	S., Cu., Cu-s., *SW.*
	9	16.3	768.80	30.185	36.5	38.9	38.	.236	36.8	100.	E.	.30	..	1.0	S.; 9*h.* 3*m.* to 9*h.* 44*m.*, raining.
	10	17.6	768.55	30.170	37.6	39.7	38.8	.243	37.6	100.1	E.	.40	..	1.0	S., N., raining.
	11	19.7	767.80	30.131	38.3	40.4	39.6	.252	38.6	100.	E.	.25	..	1.0	S., N., raining.
	12	20.2	766.95	30.095	38.	40.5	39.5	.249	38.4	98.9	E.	.10	..	1.0	S., N., raining, foggy.
	13	20.7	766.30	30.067	39.5	41.2	40.5	.261	39.6	99.2	E.	..	..	1.0	S., N., raining, foggy.
	14	19.5	765.95	30.059	40.6	41.4	41.2	.274	41.	100.1	E.	..	..	1.0	S., N., raining, foggy.
	15	19.3	765.60	30.046	40.1	41.	40.7	.268	40.4	100.	E.	..	..	1.0	S., N., raining, foggy.
	16	19.	765.70	30.051	38.	39.9	39.3	.251	38.5	99.9	E.	..	..	1.0	S., N., raining, foggy.
	17	19.8	765.75	30.050	38.	39.3	38.9	.249	38.3	99.5	E.	..	..	1.0	N., raining, foggy.
	18	19.5	765.00	30.021	38.2	38.5	38.2	.245	37.8	99.8	E.	..	..	1.0	N., raining, foggy.
	19	18.9	765.25	30.033	37.	38.	37.7	.240	37.2	99.8	E.	..	..	1.0	S., foggy.
	20	18.8	765.30	30.035	36.2	38.	37.5	.236	36.8	99.2	E.	..	..	1.0	N., foggy.
	21	19.9	765.00	30.018	37.5	38.2	37.9	.243	37.6	99.4	E.	..	..	1.0	N., raining.
	22	19.2	764.50	30.003	36.6	37.4	37.	.233	36.4	98.7	E.	.20	..	1.0	N., raining.
	23	17.7	764.00	29.990	36.5	37.	36.7	.233	36.4	97.5	E.	.48	*.122	1.0	N., raining.

* Total rain.

DAILY METEOROLOGICAL OBSERVATIONS

Day	Hour	Barometer	Thermometers, Fah.				Wind			Clouds, and direction of their motion	Rain
18	0										
	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
	13										
	14										
	15										
	16										
	17										
	18										
	19										
	20										
	21										
	22										
	23										

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
19	0	17.3	766.40	30.087	29.7	31.3	30.7	.183	29.6	96.	SSW.	..	..	1.0	Hazy, S.
	1	17.7	767.35	30.122	29.6	33.2	32.	.188	30.4	91.9	SSW.	..	..	.3	Cu., S.
	2	17.1	767.55	30.133	29 8	34.3	32.5	.191	29.3	90.1	W.	.10	..	.1	Cu., S.
	3	17.	767.90	30.148	29.3	34.1	32.1	.177	28.7	89.9	NW.	.20	..	.1	Cu., S.
	4	16.	767.65	30.142	28.1	33.2	31.5	.177	28.7	90.2	NNW.	.25	..	.5	Cu.
	5	15.9	768.05	30.159	28.1	34 4	32.1	.174	28.2	87.5	NNW.	.25	..	1.0	Cu-s., S.
	6	15.6	768.50	30.177	29.	34.4	32.6	.184	29.8	88.8	NNW.	.07	..	1.0	Cu-s., S.
	7	16.2	769.00	30.193	28.	33.7	31.8	.179	29.	89.4	NNW.	..	..	1.0	Cu-s., Cu.
	8	15.7	769.10	30.200	28.1	33.	31.6	.182	29.5	91.	NNW.	..	..	1.0	Cu-s., S.
	9	15.	769.30	30.211	30.2	33.4	32.1	.185	29.9	91.9	NNW.	..	..	1.0	Cu-s., S.
	10	15.8	769.60	30.219	32.	35.2	33.7	.195	31.4	92.5	NNW.	..	..	1.0	Cu s., S.
	11	17.4	769.65	30.213	28.	37.6	34.5	.183	29.6	83.2	NNW.	..	..	1.0	Cu-s., S.
	12	18.2	769.50	30.202	31.	38.3	35.9	.202	32 4	86.7	NNW.	..	..	1.0	Cu s., S.
	13	18.3	768.60	30.167	31.4	38.7	36.2	.203	32.5	86.7	WNW.	..	..	1.0	Cu-s., S.
	14	18.8	768.50	30.161	30.	38.2	35.4	.193	31.1	86.	W.	..	..	1.0	Cu-s., S.
	15	18.5	768.50	30.162	30.7	37.	34.9	.197	31.7	87.8	WSW.	..	..	1.0	Cu-s., S.
	16	18.2	768.85	30.177	30.3	37.1	35.1	.199	31.9	87.9	WSW.	..	..	1.0	Cu-s., S.
	17	19.2	768.55	30.162	30.9	35.5	33 8	.193	31.1	89.3	WSW.	..	..	1.0	Cu-s., S.
	18	19.2	768.60	30.164	31.9	35.6	34.1	.198	31.8	91.	WSW.	..	..	1.0	Cu-s., S.
	19	18.7	768.40	30.158	32.	35.2	34.2	.204	32.6	92.	WSW.	..	..	1.0	Cu-s., S.
	20	19.	768.40	30.157	30.5	35.	33.4	.192	30.9	92.9	WSW.	..	..	1.0	Cu s., S.
	21	18.5	768.25	30.152	30.6	35.1	33.6	.194	31.2	94.	WSW.	..	..	1.0	Cu s., S.
	22	19.	768.35	30.155	31.2	35.4	33.9	.196	31.5	93.	WSW.	..	..	1.0	Cu-s., S.
	23	19.3	767.90	30.136	31.9	35.5	34.	.197	31.7	93.8	WSW.	..	..	1.0	Cu s., S.

Date. Day.	Hour.	Barometer. Temperature, corrected.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapour, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
30	0	18.1	767.05	30.181	31.7	35.1	33.7	.196	31.5	94.	WSW.	..	..	1.0	S., Cu-s.
	1	17.7	767.35	30.193	31.3	34.7	33.5	.195	31.4	94.7	WSW.	..	..	1.0	S.
	2	17.1	767.40	30.195	31.7	34.1	33.3	.198	31.8	96.3	WSW.	..	..	..	Clear.
	3	16.5	767.35	30.193	30.5	33.6	32.1	.195	31.4	96.5	WSW.	..	..	..	Clear.
	4	16.	766.80	30.169	28.1	31.	30.5	.184	29.8	96.4	WNW.	..	..	..	Clear.
	5	15.9	766.75	30.168	27.6	30.	28.6	.173	28.	93.2	WSW.	..	..	..	Clear.
	6	15.8	766.90	30.174	28.5	29.6	29.3	.178	28.8	96.5	WSW.	..	..	..	Clear.
	7	15.8	767.30	30.195	26.4	28.3	27.7	.166	26.9	96.5	WSW.	..	..	1.0	Foggy.
	8	15.9	767.30	30.195	28.5	29.7	29.4	.179	29.	97.7	WNW.	..	..	1.0	Foggy.
	9	15.7	767.00	30.184	32.4	32.4	32.9	.200	32.1	98.	WSW.	.	..	1.0	Hazy.
	10	16.7	766.80	30.168	33.3	36.1	34.9	.207	33.1	95.9	WSW.	.15	..	1.0	Hazy.
	11	18.6	766.65	30.154	34.7	38.1	36.7	.219	34.7	95.2	WSW.	.20	..	1.0	Hazy.
	12	20.3	767.05	30.110	36.8	40.6	38.8	.233	36.4	93.3	WSW.	.30	..	1.0	Hazy, Ci.
	13	21.1	766.85	30.087	39.7	44.7	40.	.210	38.5	81.3	W.	1.50	..	1.0	Hazy, Ci.
	14	21.1	766.90	30.089	39.8	45.8	40.8	.215	38.1	80.1	WNW.	1.70	..	1.0	Hazy, Ci, Ci-s
	15	21.2	767.00	30.091	34.	46.4	41.1	.215	38.1	78.9	WNW.	1.80	..	1.0	Hazy, Ci, Ci-s.
	16	21.5	766.90	30.088	34.	45.1	40.6	.219	38.6	80.6	WNW.	.60	..	1.0	Hazy, S., Ci., Ci-s.
	17	21.4	766.85	30.086	38.8	43.7	39.5	.224	35.3	83.1	W.	.35	..	1.0	Hazy, Cu-s, Ci., Ci-s.
	18	21.	767.30	30.100	31.6	41.4	38.1	.209	33.8	84.9	W.	.10	..	..	Clear.
	19	20.8	767.45	30.114	30.9	39.8	37.1	.205	34.1	86.9	W.	..	..	.	Clear.
	20	20.5	767.65	30.120	30.8	36.5	34.5	.196	31.4	89.5	W.	..	..	..	Clear.
	21	21.4	768.15	30.147	30.4	38.7	35.5	.191	30.8	88.4	W.	..	..	..	Clear.
	22	20.5	*768.15	30.140	30.	35	33.2	.176	28.5	86.	W.	..	.	..	Clear.
	23	19.3	768.00	30.104	29.8	35.6	32.9	.175	28.4	89.8	W.	.	..	.	Clear.

* Registered 767.15.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
21	0	19.4	768.30	30.152	30.2	36.5	34.6	.197	31.7	90.	W.	..	..	..	Clear.
	1	18.7	768.50	30.162	30.5	37.1	35.	.198	31.8	87.	WNW.	.20	..	..	Clear.
	2	18.7	768.75	30.172	30.9	37.7	35.7	.205	32.8	86.4	NW.	.25	..	..	Clear.
	3	19.5	769.35	30.191	30.2	36.5	36.8	.201	32.2	88.	NW.	.25	..	..	Clear.
	4	19.	769.40	30.196	28.6	33.5	33.	.200	32.1	91.3	NW.	.25	..	..	Clear.
	5	18.1	769.15	30.189	29.2	34.	32.3	.182	29.5	91.2	NW.	.25	..	1.0	Hazy.
	6	17.6	769.25	30.196	28.3	32.5	31.	.177	28.7	93.4	NW.	.25	..	1.0	Hazy.
	7	17.2	769.70	30.216	29.9	32.7	31.4	.182	29.5	94.1	NW.	.25	..	.3	S., Cu-s.
	8	15.8	769.65	30.221	*29.9	*34.2	*32.6	.186	30.1	95.5	NW.	.25	..	1.0	Ci., Ci-s.
	9	17.2	770.00	30.227	30.	35.5	33.5	.187	30.2	92.	NW.	.20	..	1.0	Ci., *WNW.*
	10	18.8	770.60	30.243	31.7	38.	35.3	.193	31.1	87.5	NW.	.05	..	1.0	Ci., *WNW.*
	11	19.2	770.10	30.222	30.9	39.6	36.5	.194	31.2	85.2	NW.	.10	..	1.0	Ci., *NW.*
	12	19.2	769.25	30.189	31.5	41.7	37.3	.190	30.6	84.1	NW.	.10	..	1.0	Ci., Ci-s., Ci-cu., *W.*
	13	19.7	769.10	30.180	32.1	41.9	38.	.202	32.4	83.2	NW.	.10	..	1.0	Ci., Ci-s., Ci cu.
	14	20.5	768.80	30.165	33.6	42.7	38.8	.199	32.	83.1	NW.	.10	..	1.0	Ci., Ci-s., Cu-s., *W.*
	15	19.6	768.35	30.151	32.	42.3	38.5	.208	33.2	84.8	NW.	.10	..	1.0	Cu., Ci-s., S., *NW.*
	16	19.5	768.15	30.146	33.3	42.	38.3	.207	33.1	87.	NW.	.10	..	1.0	Cu., Ci cu., Ci s.
	17	19.8	768.00	30.139	32.5	39.8	37.3	.219	34.7	88.4	NW.	.10	..	1.0	Cu s., S.
	18	20.3	767.70	30.124	33.2	38.	36.3	.206	32.9	90.2	NW.	.10	..	1.0	Hazy, S.
	19	20.6	767.00	30.094	32.6	36.8	35.	.202	32.4	92.8	NW.	.10	..	1.0	Hazy, S.
	20	20.3	767.00	30.096	33.	36.8	35.2	.205	32.8	94.3	NW.	.10	..	1.0	Hazy, S.
	21	19.7	766.90	30.096	33.8	38.5	36.7	.215	34.2	93.8	NW.	1.00	..	1.0	N.; 21*h.* 36*m.*, raining.
	22	19.4	766.85	30.095	34.3	39.3	37.3	.217	34.4	93.3	WNW.	2.00	..	1.0	N.
	23	18.7	766.60	30.088	34.2	39.1	37.1	.216	34.3	93.7	W.	2.30	..	1.0	N.

* Thirty minutes late.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata
Dec.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
23	0	18.6	765.85	30.059	35.1	38.	37.5	.236	36.8	97.	WSW.	.14	.	1.0	N., raining.
	1	18.6	764.95	30.024	34.1	38.	36.9	.225	35.4	97.8	WSW.	.10	..	1.0	N., raining.
	2	17.9	764.90	30.026	33.9	37.8	37.	.229	35.9	99.1	SW.	.10	..	1.0	N., raining.
	3	17.6	764.40	30.007	35.1	37.5	36.7	.226	35.5	99.2	SW.	.10	..	1.0	N., raining.
	4	17.5	763 85	29 985	35.7	37.8	37.1	.231	36.2	98.9	SW.	.10	.	1.0	N., raining.
	5	17.2	763.40	29.968	36.	37.5	37.	.232	36.2	98.5	SW.	.10	..	1.0	N , raining.
	6	17.1	762.80	29.946	36.	37.4	36.9	.231	36.2	98.5	SW.	.10	..	1.0	N.
	7	17.	763.00	29.954	36.2	38.1	37.5	.235	36.6	98 4	SSE.	.15	..	1.0	Foggy.
	8	17.5	762.70	29.940	37.	38.2	37.8	.241	37.4	98.4	ESE.	.05	..	1.0	Foggy.
	9	16 7	762.20	29.924	37.6	38.6	38.1	.241	37.4	97.3	ENE.	.50	..	1.0	S.; 9h. 18m., raining.
	10	16.8	762.10	29.932	37.9	39.2	38.7	.247	38.1	97.2	ENE.	.10	..	1.0	N., raining.
	11	17.4	761.25	29.883	38.	39.4	38.9	.248	38.2	97.4	ENE.	.30	..	1.0	N., raining.
	12	19.	760.10	29 831	38.6	40.	39.5	.254	38.9	97.3	ENE.	.60	..	1.0	S.; 12h. 30m., raining
	13	20.6	758.05	29.742	39.4	40.7	40.3	.263	39.9	97.7	ENE.	.60	..	1.0	N., raining.
	14	20.8	757.15	29.706	39.9	41.2	40.7	.265	40.1	97.3	ENE.	1.00	..	1.0	N., raining.
	15	21.2	756.70	29.689	40.4	41.6	41.1	.269	40.5	97.4	ENE.	.80	..	1.0	N., raining.
	16	21.6	757.00	29.696	40.8	42.2	41.6	.273	40.9	97.4	NE.	.50	..	1.0	N., raining.
	17	21.7	756.90	29 692	40.7	41.5	41.	.268	40.4	97.5	NE.	.70	..	1.0	N., raining.
	18	20 8	756.35	29.664	39.4	41.3	40.6	.262	39.7	97.3	NE.	.90	..	1.0	N., raining.
	19	20.8	756.65	29.682	40.	41.3	40.5	.260	39.5	97.5	NE.	.80	..	1.0	N., raining.
	20	20.5	756.50	29.681	39	40.6	40.	.257	39.2	97.5	NE..	.85	..	1.0	N., raining.
	21	19.6	756.50	29.686	38.7	40.4	39.8	.256	39.1	97.3	ENE.	.90	..	1 0	N., raining.
	22	18 7	756.25	29.681	38.6	40.4	39.7	.254	38.9	97.8	ENE.	.14	..	1.0	N., raining.
	23	18.7	756.00	29.703	38.6	40.4	39.8	.256	39.1	97.5	ENE.	.11	*.79	1.0	N., raining.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
23	0	17.8	755.02	29.637	38.5	40.	39.4	.252	38.6	97.	ENE.	2.50	..	1.0	N., raining.
	1	18 3	755.60	29.659	38.5	39.6	39.	.249	38.3	96.1	ENE.	2.80	..	1.0	N.
	2	17.8	756.60	29.699	38.4	39.6	38.6	.241	37.4	95.1	ENE.	2.80	..	1.0	N.
	3	17.1	757.30	29.730	37.8	38.7	38.	.238	37.	96.7	ENE.	2.20	..	1.0	N., raining.
	4	17.3	758.00	29.756	37.5	38.4	37.7	.236	36.8	97.1	NE.	.80	..	1.0	N., raining.
	5	17.7	758.55	29.776	36.4	38.1	37.6	.237	36.9	97.1	NNE.	.60	..	1.0	N., raining.
	6	17.5	759.50	29.814	35.8	37.6	36.8	.227	35.7	96.5	NNE.	1.20	..	1.0	N., raining.
	7	16.9	759.60	29.821	35.6	37.4	36.7	.227	35.7	96.9	NE.	1.70	..	1.0	N., *NE.*
	8	16.7	760.60	29.862	35.8	38.	37.2	.231	36.2	96.7	NE.	1.80	..	1.0	N., raining.
	9	17.1	760.80	29.868	36.3	38.1	37.2	.230	36.	96.7	ENE.	1.60	..	1.0	N., raining, *ENE.*
	10	16.6	761.75	29.907	36.2	38.	37.	.227	35.6	96.	NE.	1.90	..	1.0	N., *ENE.*
	11	17.	761.85	29.910	35.3	36.9	36.1	.221	34.9	96.2	NE.	1.70	..	1.0	N.
	12	17.5	761.60	29.897	35.3	37.1	36.2	.221	34.9	96.2	NE.	1.70	..	1.0	S., scud, Cu-s , *NE.*
	13	18.4	761.95	29.907	35.	37.2	36.1	.218	34.5	95.8	NE.	1.50	..	1.0	S., scud, Cu-s.
	14	19.8	762.05	29.904	35.	37.5	36.3	.219	34.7	95.6	NE.	1.70	..	1.0	S , N., raining.
	15	20.2	762.50	29.919	34.	37.6	36.	.212	33.7	94.7	ENE.	1.80	..	1.0	S., Cu-s., scud, *ENE.*
	16	20.	763.10	29.943	33.5	37.6	35.7	.206	32.9	93.7	ENE.	1.50	..	1.0	S., Cu-s.
	17	18.3	763.30	29.959	34.1	36.5	35.	.205	32.8	91.1	NE.	.90	..	1.0	S., Cu., scud, *NE.*
	18	18.4	763.35	29.961	32.6	36.	34.4	.199	32.	93.6	NE.	.85	..	1.0	S., Cu.
	19	17.9	763.50	29.970	31.7	35.8	34.2	.197	31.7	93.2	NE.	.80	..	1.0	S.
	20	18.6	763.85	29.980	31.6	35.7	34.	.195	31.5	92.6	NE.	.65	..	1.0	S.
	21	18.8	763.80	29.976	32.	35.7	34.	.195	31.5	92.5	NE.	.02	..	1.0	S., Cu-s.
	22	18.3	763.95	29.985	32.7	35.6	34.4	.203	32.5	92.6	NE.	.02	..	1.0	S., Cu-s.
	23	17.6	763.75	29.981	33.2	34.9	34.1	.206	32.9	95.7	NE.	.02	*.233	1.0	S., raining.

* Total rain.

ate.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., degrees.	Force, lbs.			
25	0	13.4	762.05	29.934	36.	37.6	37.1	.233	36.4	97.	S.	..	..	1.0	S., Cu s.
	1	13.2	761.95	29.932	36.1	38.4	37.5	.232	36.3	96.5	S.	..	..	.9	Cu.
	2	13.9	762.20	29.938	35.5	37.1	36.5	.227	35.7	96.7	S.	.05	..	.4	Cu.
	3	14.3	762.45	29.945	35.	36.	35.5	.220	34.8	96.9	S.	.05	..	..	Clear.
	4	13.2	762.40	29.948	33 2	35.	34.6	.215	34.1	97.2	S.	.05	..	..	Clear.
	5	13.3	762.50	29.952	32.1	33.5	33.	.201	32.2	97.1	S.	..	..	1.0	Hazy.
	6	13.5	763.05	26.972	30.2	32.2	31.6	.190	30.6	97.1	S.	..	..	1.0	Hazy.
	7	13.5	763.55	29.992	31.8	32.8	32.5	.200	32.1	98.8	S.	..	..	1.0	Foggy.
	8	13.2	764.00	30.011	31.5	32.5	32.2	.198	31.8	98.4	S.	..	..	1.0	Foggy.
	9	13.5	764.75	30.040	32.3	33.1	32.7	.199	31.9	98.3	SSW.	..	..	1.0	Foggy, S.
	10	13.5	764.85	30.044	34.5	35 4	35.	.217	34.4	98.3	SW.	..	..	1.0	Foggy, S.
	11	14.7	765.10	30.048	37.7	39.2	38.5	.243	37.6	97.	SW.	.10	..	1.0	Cu-s., S., *W.*
	12	15.9	764.90	30.035	38.4	40.5	39 5	.249	38.3	95.4	SW.	..	..	1.0	Cu-s., S., *W.*
	13	17.2	764.80	30.024	36.7	41.1	39.1	.233	36.4	92.6	WSW.	.25	..	1.0	Cu s., S., *W.*
	14	18.6	764.80	30.018	37.8	42.5	40.7	.251	38.6	93.1	W.	.	..	1.0	Cu s., *W.*
	15	19.4	765.10	30.025	38.3	42.	40.5	.252	38.6	95.	WSW.	.20	..	1.0	Cu-s., *W.*
	16	20.	765.70	30.046	37.7	42.3	40.2	.242	37.5	92.3	SW.	.10	..	1.0	Cu-s., *W.*
	17	20.7	765.95	30.043	38.	42.2	40.2	.243	37.6	92.3	SW.	.10	..	1.0	Cu-s., S.
	18	21.2	766.45	30.071	36.8	41.	39.5	.243	37.6	93.1	SW.	.10	..	.7	Cu-s., S.
	19	21.5	766.90	30.088	35.7	40.5	39.	.238	37.	94.	SW.	..	..	1.0	Cu-s., S.
	20	21.7	767.35	30.103	36.8	40.5	39.5	.249	37.2	94 3	SW.	..	..	1.0	Cu s., S.
	21	22.4	767.20	30.094	36.4	41.	39.2	.237	36.9	92.7	SW.	..	..	1.0	Cu s., S.
	22	21.3	767.25	30.101	36.3	40.4	38.9	.237	36.9	92.8	SW.	..	..	1.0	Cu-s., S.
	23	20.1	767.20	30.105	36.	40.5	39.	.238	37.	91.7	SW.	..	..	1.0	Cu-s., S.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
26	0	19.4	766.70	30.089	36.3	40.6	39.	.237	36.9	90.4	SW.	..	..	.5	S., Cu-s.
	1	18.5	766.65	30.091	35.1	37.8	36.5	.219	34.7	93.1	SW.	.30	..	..	Clear.
	2	18.4	766.80	30.098	34.	36.6	35.5	.214	34.	96.7	S.	.30	..	..	Clear.
	3	18.1	766.65	30.093	33.4	35.8	35.	.213	33.9	97.9	ESE.	.30	..	..	Clear.
	4	17.2	766.85	30.105	33.1	34.5	33.7	.203	32.5	97.7	E.	.30	..	1.0	S., Cu-s.
	5	17.7	767.00	30.108	34.	35.9	35.3	.217	34.4	98.1	E.	.30	..	1.0	S.
	6	17.5	767.10	30.113	34.2	36.4	35.7	.219	34.6	97.3	E.	.20	..	1.0	S., Cu-s., Cu.
	7	17.	767.00	30.112	33.8	36.3	35.4	.215	34.1	98.2	E.	.30	..	1.0	S., Cu-s.
	8	17.3	766.90	30.107	34.4	37.1	36.2	.221	34.9	96.4	E.	.10	..	1.0	S., Cu-s.
	9	18.3	766.95	30.104	34 4	38.4	36.8	.220	34.8	93.9	E.	.30	..	1.0	S., Cu-s.
	10	19.6	767.05	30.101	35.	39.2	37.6	.227	35.7	94.1	ESE.	.10	..	1.0	S., Cu-s.
	11	20.6	766.80	30.087	36.	40.5	38.9	.238	37.	94.	ESE.	.30	..	1.0	S., Cu-s.
	12	21.2	766.00	30.053	36.2	42.	40.3	.250	38.4	93.	ESE.	.30	..	1.0	S., Cu-s.
	13	21.5	765.70	30.040	37.	42.7	40.7	.248	38.2	91.1	ESE.	30	..	1.0	S., Cu-s.
	14	21.	764.80	30.006	37.	42.	40.	.242	37.5	92.9	ESE.	.10	..	1.0	S., Cu s.
	15	20.4	763.20	29.946	38.1	42.3	40.7	.253	38.7	94.1	E.	1.30	..	1.0	S., Cu-s.
	16	19.9	762.70	29.928	37.7	42.7	40.7	.249	38.3	93.7	E.	.90	..	1.0	S., Cu-s.
	17	19.8	762.25	29.912	37.9	42.5	40.6	.249	39.4	94.	E.	.90	..	1.0	S., Cu-s.; 17*h*. and 17*h*. 30*m*., raining.
	18	19.6	761.40	29.879	38.2	41.5	40.2	.251	38.4	97.7	E.	1.30	..	1.0	N., raining.
	19	19.4	761.00	29.864	38.8	40.2	39.5	.251	38.4	97.7	ENE.	1.90	..	1.0	N., raining.
	20	18.4	760.00	29.830	38.	40.3	39.5	.251	38.4	98.	ENE.	2.10	..	1.0	N., raining.
	21	18.8	759.45	29.805	39.9	40.9	40.4	.263	39.8	97.	ENE.	2.10	..	1.0	N., raining.
	22	18.6	758.55	29.772	40.	41.3	40.6	.262	39.7	96.9	ENE.	2.10	..	1.0	N., raining.
	23	18.5	757.50	29.731	37.5	39.5	38.8	.247	38.1	96.3	ENE.	2.20	*1.09	1.0	N., raining.

* Total rain.

Day.	Hour.	Barometer. Temperature, centigrade.	Barometer. Obs'd height, millimetres.	Barometer. Corr. height, inches.	Thermometers, Fah. Dew point.	Thermometers, Fah. Dry.	Thermometers, Fah. Wet.	Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind. Dir., points.	Wind. Force, lbs.	Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
27	0	17.9	757.25	29.725	38.6	39.7	39.	.247	38.1	95.4	ENE.	2.30	..	1.0	N., raining.
	1	17.8	755.65	29.662	36.8	39.5	38.5	.241	37.4	96.2	ENE.	2.30	..	1.0	S.
	2	17.1	755.85	29.673	36.5	38.7	37.9	.237	36.9	96.3	NE.	1.90	..	1.0	N., raining.
	3	18.	756.25	29.684	36.4	37.7	37.1	.232	36.3	96.6	NNE.	1.40	..	1.0	N., raining.
	4	17.5	756.65	29.702	36.2	37.2	36.5	.226	35.5	95.9	N.	1.70	..	1.0	N., raining.
	5	18.	757.25	29.724	36.	37.1	36.5	.227	35.7	96.5	N.	1.40	..	1.0	N., raining.
	6	18.2	758.05	29.754	34.9	36.7	36.	.222	35.	96.8	N.	.90	..	1.0	N., raining.
	7	18.5	758.50	29.770	33.9	36.2	35.3	.214	34.	97.	NNW.	1.10	..	1.0	N., raining.
	8	17.2	759.10	29.799	33.5	36.2	35.2	.212	33.7	96.	NNW.	1.10	..	1.0	S., Cu-s.; 8*h.* 30*m.*, snowing.
	9	17.4	759.60	29.818	34.9	37.7	36.3	.216	34.3	94.2	NNW.	1.70	..	1.0	Hazy, S., Ci cu., Cu-s.
	10	18.1	759.85	29.826	34.8	38.5	36.5	.212	33.7	92.4	NNW.	1.80	..	1.0	Hazy, S., Ci-cu., Cu-s., Cu.
	11	20.2	760.10	29.825	35.6	40.1	37.7	.217	34.4	90.1	NNW.	1.70	..	1.0	Hazy, Ci-cu., Cu.
	12	22.1	760.15	29.818	36.7	42.1	39.2	.225	35.4	88.9	NNW.	1.40	..	1.0	Hazy, Ci cu., Cu.
	13	22.9	760.15	29.815	36.7	43.5	40.1	.227	35.7	87.	NNW.	1.70	..	1.0	Hazy, Ci-cu., Cu-s., Cu.
	14	22.8	760.30	29.821	36.6	44.	40.5	.230	36.	86.5	NW.	1.60	..	1.0	Hazy, Ci-cu., Cu-s., Cu., *N.*
	15	21.3	760.50	29.836	38.	44.5	41.2	.239	37.1	86.2	NW.	1.30	..	1 0	Hazy, Ci-cu., Cu-s., Cu., *N.*
	16	20.4	760.80	29.853	38.2	44.1	41.6	.252	38.6	87.9	NW.	.70	..	1.0	S., Cu-s., Cu.
	17	19.5	761.00	29.864	38.4	44.2	41.5	.249	38.3	89.2	NNW.	.40	..	1.0	S., Cu s., Cu., *NW.*
	18	19.9	760.95	29.860	39.	44.3	41.5	.248	38.2	89.3	NNW.	.50	..	1.0	S., Cu.
	19	19.3	761.00	29.865	37.9	44.	41.5	.217	38.1	87.8	NNW.	.40	..	1.0	S., Cu.
	20	18.5	761.00	26.868	38.3	44.5	41.5	.245	37.8	87.3	NNW.	.30	..	1.0	S., Cu.
	21	18.5	761.15	29.874	37.9	44.4	41.4	.244	37.7	86.3	NNW.	.11	..	1.0	S., Cu-s., Cu.
	22	19.	761.30	29.878	38.5	43.5	41.2	.250	38.4	89.6	NNW.	.10	..	1.0	S., Cu s.
	23	19.2	761.25	29.875*	37.7	43.1	40.8	.246	37.9	91.2	NNW.	.10	*.188	1.0	S.

* Total rain.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
28	0	19.	760.75	29.857	38.	43.	41.2	.256	39.1	91.3	NNW.	.10	..	1.0	S.
	1	18.9	760.45	29.845	37.5	43.	40.6	.243	37.6	91.9	NNW.	..	..	1.0	S., Cu-s.
	2	18.6	760.50	29.849	37.4	42.5	40.6	.249	38.3	92.4	NNW.	..	..	1.0	S., Cu-s.
	3	18.5	760.15	29.835	38.	42.5	40.3	.251	38.9	95.7	NNW.	..	..	1.0	S., Cu-s.
	4	18.8	759.65	29.813	37.8	41.7	40.4	.253	38.8	95.2	NW.	..	..	1.0	S., Cu-s.
	5	18.9	759.10	29.791	35.1	40.4	38.6	.232	36.4	92.3	NW.	..	..	..	Clear.
	6	19.5	759.25	29.795	34.9	38.6	37.4	.228	35.8	93.6	NW.	..	..	1.0	Cu.
	7	19.4	759.20	29.793	36.5	39.4	38.5	.241	37.4	96.4	N.	.05	..	1.0	Cu., Cu-s., foggy, *NW.*
	8	18.7	759.20	29.796	36.	39.2	38.2	.237	36.9	97.3	NE.	.03	..	1.0	Cu., S., Cu s.
	9	17.9	759.10	29.797	36.9	39.3	38.2	.236	36.8	97.	NE.	..	..	1.0	S., Cu-s., *W.*
	10	17.2	758.55	29.778	38.1	40.6	39.5	.248	38.2	97.	NE.	..	..	1.0	S., Cu-s., *W.*
	11	17.	757.60	29.743	39.	42.3	40.6	.251	38.6	94.9	E.	..	..	1.0	S., Cu-s., *W.*
	12	17.1	756.70	29.706	39.1	42.7	41.	.255	39.	95.	SE.	.10	..	1.0	S., Cu-s., foggy, *S.*; 12*h.* 26*m.*, raining.
	13	16.7	755.90	29.677	39.2	42.2	40.8	.256	39.1	95.8	SE.	.10	..	1.0	N., raining, S.
	14	17.	755.20	29.650	39.2	41.1	40.2	.256	39.1	97.	SE.	..	..	1.0	N., raining.
	15	17.4	754.65	29.626	38.4	40.6	39.6	.250	38.4	96.4	NE.	..	..	1.0	N., raining, Cu-s., S.
	16	17.2	754.50	29.621	37.	39.5	38.4	.238	37.	97.	N.	.20	..	1.0	N., raining, Cu-s., S.
	17	16.7	751.25	29.614	36.8	39.	37.8	.232	36.3	97.7	N.	.25	..	1.0	N., raining, S.
	18	17.4	754.75	29.630	34.3	36.7	35.8	.218	34.5	97.6	NNW.	.45	..	1.0	N., raining.
	19	17.2	754.65	29.627	34.7	37.	36.	.219	34.7	97.8	NNW.	.45	..	1.0	N., raining.
	20	17.6	754.50	29.620	34.8	37.2	36.2	.220	34.8	97.8	NNW.	.35	..	1.0	S., Cu.
	21	17.4	754.50	29.620	35.1	37.1	36.3	.223	35.2	97.5	NNW.	.15	..	1.0	S., Cu.
	22	17.6	754.30	29.610	33.4	36.5	35.	.205	32.8	95.	NNW.	.20	..	.5	S., Cu s.
	23	17.6	754.70	29.628	30.5	35.5	33.9	.195	31.4	93.6	NW.	.70	*.238	.5	S., Cu-s.

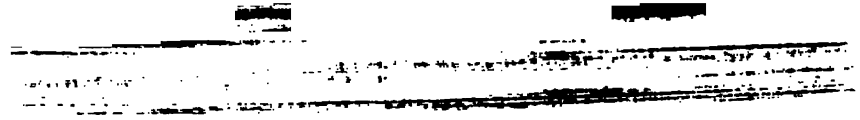
* Total rain.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir., points.	Force, lbs.			
29	0	17.2	754.50	29.621	30.2	35.1	33.3	.189	30.5	92.4	NW.	1.1	..	.4	S.
	1	17.1	754.55	29.624	30.2	35.2	33.1	.184	29.8	90.9	NW.	1.0	..	..	Clear.
	2	16.5	754.80	29.637	29.7	35.5	33.2	.183	29.6	90.2	NW.	1.0	..	.3	Cu.
	3	17.	755.10	29.646	29.	35.7	32.5	.167	27.	86.1	NW.	1.8	..	..	Clear.
	4	17.	755.20	29.650	27.5	34.7	31.7	.167	27.	85.9	NW.	1.5	..	..	Clear.
	5	17.3	755.50	29.660	26.7	34.6	31.6	.166	26.9	85.8	NW.	1.4	..	.1	Cu.
	6	16.6	755.90	29.677	26.5	34.5	31.5	.166	26.9	85.2	NW.	1.1	..	.05	Cu.
	7	16.2	756 20	29.691	25.8	35.2	31.4	.157	25.3	82.3	NW.	1.7	..	..	S.
	8	14.7	756.65	29.716	20.9	34.4	29.5	.133	20.8	76.2	NW.	2.7	..	..	Cu.
	9	14.7	757.35	29.744	20.8	33.5	28.8	.133	20.8	75.4	NNW.	4.0	..	1.0	Hazy, Cu., Ci-cu.
	10	14.9	758.05	29.769	*19.1	33.4	28.5	.127	19.5	74.4	NNW.	†5.0	..	1.0	Hazy, Cu.
	11	16.	757.90	29.760	21.	34.6	29.6	.133	20.8	73.9	NNW.	4.3	..	1.0	Hazy, Cu., Ci cu.
	12	16.8	757.55	29.742	20.8	34.5	29.2	.129	20.	72.2	NNW.	3.2	..	.9	Cu., Ci-cu.
	13	17.	757.50	29.739	21.1	35.1	29.6	.128	19.7	71.9	NNW.	2.3	..	.9	Cu.
	14	17.	757.55	29 741	21.3	35.	29.6	.129	20.	72.2	NNW.	2.6	..	.95	Cu., Ci-cu.
	15	17.	757.95	29.757	20.6	34.5	29.2	.127	19.5	71.7	NNW.	3.5	..	.8	Cu., Cu-s.
	16	16.6	758.00	29.759	20.	34.2	28.9	.125	19.	71.7	NNW.	2.7	..	.7	Cu., Cu s.
	17	15.8	758.00	29.763	20.6	33.2	28.4	.127	19.5	72.5	NNW.	2.9	..	.3	Cu., Cu s., *NW.*
	18	14.8	758.50	29.789	21.8	31.8	27.	.119	17.8	71.8	NNW.	1.8	..	.2	Cu., Ci cu., S., *NW.*
	19	14.5	759.00	29.809	20.7	31.3	26.8	.120	18.	73.2	NNW.	1.6	..	.4	Cu., Ci-cu., S., *NW.*
	20	14.2	759.00	29.811	20.	30.5	25.7	.111	15.9	72.2	NNW.	2.6	..	.4	Cu., S.
	21	13.5	758.90	29.810	19.9	29.7	25.5	.116	17.1	72.8	NNW.	2.1	..	.5	Cu., S.
	22	12.5	758.65	29.806	20.2	29.5	25.3	.115	16.8	74.1	NNW.	1.9	..	.3	Cu.
	23	12.2	758.35	29.795	20.4	29.3	25.4	.120	18.	74.3	NNW.	2.3	..	.1	Cu.

* Thirty minutes late.

† Wind as high as seven pounds during this hour.

Date.		Barometer.			Thermometers, Fah.			Force of vapor, ins.	Calculated dew pt.	Hygr., Saussure's.	Wind.		Rain, inches.	Sky covered, 10ths.	Clouds, and direction of their strata.
Day.	Hour.	Temperature, centigrade.	Obs'd height, millimetres.	Corr. height, inches.	Dew point.	Dry.	Wet.				Dir. points.	Force, lbs.			
30	0	12.2	757.80	29.774	18.8	28.5	24.6	.114	17.8	73.4	NNW.	2.2	..	..	Clear.
	1	12.4	757.65	29.767	19.8	28.5	24.6	.114	16.5	74.3	NNW.	2.3	..	..	Clear.
	2	11.9	757.75	29.773	20.	28.9	25.	.116	17.1	73.5	NNW.	2.1	..	..	Clear.
	3	12.2	757.70	29.770	21.9	29.5	25.4	.116	17.1	73.1	NNW.	2.8	..	..	Clear.
	4	12.5	757.60	29.765	22.2	30.	25.6	.114	16.6	72.9	NNW.	3.4	..	..	Clear.
	5	12.	757.25	29.753	15.2	30.3	25.5	.110	15.6	72.	NNW.	3.0	..	..	Clear.
	6	11.	757.25	29.757	15.8	30.2	25.4	.109	15.4	72.2	NNW.	3.5	..	..	Clear.
	7	12.	757.60	29.767	17.	29.4	25.6	.120	18.	74.2	NNW.	3.3	..	..	Clear.
	8	12.	758.05	29.784	17.	29.5	25.4	.116	17.	73.9	NW.	2.2	..	..	Clear.
	9	12.8	758.25	29.788	17.2	30.5	26.	.116	17.	72.	WNW.	3.5	..	..	Clear, Cu., Ci-cu. in Hor.
	10	11.7	758.20	29.791	17.6	32.1	27.1	.117	17.3	71.7	WNW.	3.6	..	.10	Cu., Ci-cu., *NNW.*
	11	12.	758.00	29.782	17.	33.	27.4	.113	16.4	70.3	WNW.	4.2	..	.40	Cu., Ci-cu., *NNW.*
	12	13.3	757.35	29.750	17.1	34.5	28.7	.119	17.7	69.9	WNW.	5.2	..	.40	Cu., Ci-cu., *NNW.*
	13	14.2	756.95	29.731	16.7	34.5	28.4	.114	16.6	68.8	WNW.	4.4	..	.35	Cu., Ci-cu., *NNW.*
	14	14.5	756.25	29.701	17.	35.7	29.8	.125	19.1	67.5	WNW.	5.5	..	.10	Cu.
	15	14.8	755.95	29.689	16.3	35.5	29.2	.117	17.3	65.	WNW.	5.0	..	.03	Cu.
	16	14.	756.10	29.698	15.7	35.	28.6	.113	16.4	66.	WNW.	3.7	..	.05	Cu.
	17	14.4	756.25	29.701	15.1	33.6	28.1	.118	17.5	67.5	WNW.	2.4	..	..	Clear.
	18	13.7	756.00	29.695	15.7	33.5	28.1	.119	17.7	68.	WNW.	2.0	..	..	Clear.
	19	13.2	755.95	29.695	15.6	33.6	28.4	.123	18.6	67.6	WNW.	2.3	..	..	Clear.
	20	12.9	755.85	29.694	15.	34.1	29.1	.130	20.2	66.4	WNW.	2.2	..	.02	Cu. in Hor.
	21	12.9	756.00	29.699	14.1	34.1	28.	.112	16.1	66.3	WNW.	2.3	..	..	Clear.
	22	12.8	756.15	29.705	14.	33.4	27.8	.116	17.1	67.8	WNW.	2.0	..	.10	Cu-s. in Hor.
	23	12.3	756.00	29.702	14.	33.2	28.5	.129	20.	70.3	WNW.	2.1	..	.05	Cu s.



MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY MAGNETIC AND TRIPLE OBSERVATIONS,

FROM JANUARY TO JUNE, 1844.

GENERAL NOTES.

The instruments, times of observation, mode of observing, recording, and reducing, are the same as in 1843.

The value of one division of the declinometer was 27″.2; of one division of the scale of the horizontal force magnetometer, in terms of the horizontal force, .000,040; and of one division of the vertical force magnetometer, .000,033 of the vertical force. Increase of numbers in the observations of the horizontal and vertical force magnetometers corresponds to decrease of force, and of the declinometer to decrease of declination.

The corrections for temperature were, for the horizontal force instrument, from 2.1 to 1.9 divisions of the scale for 1° Fahrenheit; and for the vertical force instrument 13.5, as heretofore.

The suspension fibres of the declinometer were broken by one of the observers at 20*h*. on the 10th of January. New suspension adjusted at 11*h*. on the 12th. The instrument returned nearly to the reading prior to August, 1843.

Göttingen time.. / Observatory time.	*h. m.* 6 00 0 19½	*h. m.* 7 00 1 19½	*h. m.* 8 00 2 19½	*h. m.* 9 00 3 19½	*h. m.* 10 00 4 19½	*h. m.* 11 00 5 19½	*h. m.* 12 00 6 19½	*h. m.* 13 00 7 19½	*h. m.* 14 00 8 19½	*h. m.* 15 00 9 19½	*h. m.* 16 00 10 19½	*h. m.* 17 00 11 19½
Jan 1.....	541.1	540.6	541.	541.4	542.8	540.4	542.5	540.6	545.5	547.6	543.6	536.8
2.....	537.6	538.2	536.7	537.4	538.4	539.5	540.	542.5	540.1	543.7	537.7	536.1
3.....	538.7	538.1	538.9	537.6	539.5	540.9	540.7	542.	543.5	545.2	542.6	541.1
4.....	539.1	538.8	539.1	537.1	537.8	538.	540.5	542.2	544.5	546.8	543.	535.9
5.....	543.7	538.4	535.5	541.8	536.	528.7	539.1	540.8	546.9	546.2	542.2	536.4
6.....	543.1	541.5	543.5	538.5	539.2	535.9	535.7	540.6	543.3	541.9	538.4	539.8
8.....	538.6	537.4	538.2	537.	538.1	538.1	538.8	540.2	540.2	539.2	533.7	534.3
9.....	541.4	540.3	539.8	542.2	537.8	539.6	543.	544.9	547.3	547.7	541.8	541.4
10.....	541.7	544.9	540.	536.6	539.1	538.3	538.6	543.5	546.	545.6	546.9	544.7
11.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13.....	560.2	559.	561.2	562.	558.8	559.5	559.9	561.8	563.3	564.6	558.	551.8
15.....	559.7	558.9	558.	557.7	556.8	557.4	558.5	559.5	563.8	564.6	561.5	555.8
16.....	556.5	556.3	557.3	557.8	557.4	559.7	559.	564.4	564.7	‡565.9	560.6	557.5
17.....	557.9	557.	557.5	559.3	557.8	560.	560.7	560.6	564.7	563.1	557.4	553.
18.....	558.9	559.5	558.1	560.4	559.3	559.3	559.2	561.5	565.2	565.4	556.9	553.9
19.....	556.6	556.	559.1	559.	557.7	557.6	558.4	560.8	563.1	562.5	559.9	558.5
20.....	555.8	558.	560.	559.6	565.5	562.1	563.	565.2	565.4	566.	560.5	556.9
22.....	†558.3	558.1	559.9	559.9	560.7	558.9	559.8	561.	560.8	551.4	552.4	554.
23.....	556.5	561.8	560.1	564.2	563.4	564.	563.7	563.8	562.3	558.3	556.9	554.6
24.....	557.6	558.3	558.6	560.	560.	560.6	562.3	564.4	564.3	561.6	558.1	553.8
25.....	569.	567.8	562.1	566.5	562.4	557.5	562.6	558.4	556.7	554.5	549.2	554.4
26.....	556.7	554.8	557.7	559.4	558.6	557.6	558.3	561.5	565.1	564.1	558.6	556.3
27.....	557.5	556.	558.1	560.	558.8	557.7	562.	561.1	561.9	560.2	558.8	553.4
29.....	561.	558.5	557.5	558.2	558.4	‡558.	556.8	560.5	563.1	563.6	560.8	558.5
30.....	558.5	560.1	557.9	560.	559.5	556.1	559.3	557.6	560.5	560.8	559.	556.3
31.....	560.8	557.4	555.5	558.6	561.	561.5	562.8	562.7	564.	562.	560.5	556.7
Means*.....	559.1	558.6	558.5	558.9	559.	558.3	559.8	561.3	562.8	562.5	558.8	556.1

* In calculating both the daily and hourly means, the observations from the 1st to the 10th have been brought to the standard of those of the latter part of the month, by a correction of + 19.5; also the missed observations on the 10th and 12th have been supplied.

† Eighteen minutes late.

‡ One minute late.

Göttingen time... / Observatory time..	h. m. 6 02 0 21½	h. m. 7 02 1 21½	h. m. 8 02 2 21½	h. m. 9 02 3 21½	h. m. 10 02 4 21½	h. m. 11 02 5 21½	h. m. 12 02 6 21½	h. m. 13 02 7 21½	h. m. 14 02 8 21½	h. m. 15 02 9 91½	h. m. 16 02 10 21½	h. m. 17 02 11 21½
Jan. 1	966.2	962.2	960.6	959.1	957.7	957.4	958.3	957.5	953.2	956.6	972.8	988.5
2	985.8	985.2	982.	982.3	978.4	978.2	980.1	989.5	981.8	973.2	970.9	983.2
3	996 6	993.8	991.2	993.9	994.4	995.6	994.6	991.3	990.3	995.3	1000.8	1005.3
4	986.1	982.8	985.2	982.9	977.4	973 6	975.3	977.2	970.	970.	968.4	971.9
5	989.9	1002.5	973.6	985.	965.	991.	977.2	967.2	985.2	980.2	986.9	989.9
6	989.1	974.1	976.	973.8	978.8	981.9	977.5	978.8	985.4	985.4	1001.1	992.3
8	991.3	989.9	993.2	984.6	985.4	985.2	996.	982.5	986.1	992.7	979.6	978.7
9	982.6	979.7	982.3	982.7	975.	972.1	972.8	973.	976.9	978.6	978.9	982.2
10	986.5	987.8	977.7	976.9	977.5	979.9	979.5	979.2	982.6	986.2	986.4	989.
11	990.9	984.5	981.8	981.8	981.	980.9	978.5	978.3	978.4	976.5	981.8	990.4
12	990.9	984.9	978.4	981.8	979.	977.	971.4	971.4	974.6	980.8	989.7	986.6
13	990.4	987.2	991.3	991.6	991.8	990.7	990.2	990.9	996.8	1007.2	1018.1	1020.8
15	990.5	986.6	984.1	983.7	981.3	983.4	985.2	982.8	984.7	991.1	998.3	1005.7
16	1000.4	997.4	995.9	995.6	998.6	997.8	997.	996.4	994.7	1003.3	1009.2	1008.2
17	1008.3	1006.1	1008.7	1006.4	1000.2	1000.9	1002.4	996.9	997.2	1002.5	1010.1	1021.1
18	998.7	995 6	997.3	992.8	990.5	984.6	983.3	980.9	979.7	985.5	993.	998.1
19	989.5	985.4	986.8	984.8	985.6	983.6	983.5	986.5	986.4	986.1	983.9	987.8
20	1000.8	1002.6	1003.1	998.5	995.4	991.7	987.5	986.9	986.3	991.	987.7	983.3
22	962.4	957.2	959.4	958.5	956.7	959.1	956.8	956.8	960.5	969.3	964 9	977.4
23	1003.6	1007.6	1008.3	1002.5	999 7	996.	994.7	996.	997.6	1003.8	1007.1	1004.7
24	1012.2	1010.6	1009.9	1010.8	1010.8	1008.9	1007.5	1007.7	1010.5	1023.4	1030.8	1029.9
25	1043.6	1033.7	1031.	1024.4	1003.9	992.6	1001.8	997.3	991.4	994.4	988.8	996.
26	965.9	971.4	968.7	967.3	967.7	966.3	965.7	966.3	975.1	978.	981.5	980.9
27	971.	970.7	968.8	967.1	965.5	961.4	966.8	965.9	968.3	973.3	979.2	979.2
29	978.5	972.8	973.9	972.4	972.6	972.3	970.9	972 7	980.5	981.	984.2	986.6
30	981.8	982.8	984.4	984.3	982.1	983.3	978.7	982.5	977.5	977.7	984.	992.8
31	1000.	999.	997.1	994.6	992.5	989.6	986.7	989.3	984.	981.6	983.6	986.5
Means	991.	988.7	987.3	985 8	983.1	982.8	981.8	981.5	982.8	986.1	989.7	993.2
Reduced to 32° F.	951.3	949.2	948.	946.7	944.2	944.8	944.2	944.3	946.5	950.2	953.6	955.6

Göttingen time.. Observatory time	*h. m.* 18 02 12 21½	*h. m.* 19 02 13 21½	*h. m.* 20 02 14 21½	*h. m.* 21 02 15 21½	*h. m.* 22 02 16 21½	*h. m.* 23 02 17 21½	*h. m.* 0 02 18 21½	*h. m.* 1 02 19 21½	*h. m.* 2 02 20 21½	*h. m.* 3 02 21 21½	*h. m.* 4 02 22 21½	*h. m.* 5 02 23 21½	Means.	Reduced to 32° F.
Jan. 1	984.5	978.7	976.6	973.3	976.7	974.1	‡979.5	982.9	985.1	988.9	992.9	989.5	972.2	934.8
2	985.1	998.3	1004.2	1005.4	1008.5	1003.4	1005.1	1005.1	1004.1	1001.3	1000.4	999.8	991.3	936.5
3	1004.6	1000.3	1000.2	993.7	994.	*993.5	991.2	995.4	989.8	989.	987.6	985.7	994.2	938.8
4	978.5	975.5	979.6	977.5	988.3	982.8	985.9	987.4	983.2	983.3	980.6	982.2	979.4	931.3
5	994 8	988.3	990.5	978.8	985.6	980.5	981.6	982.9	980.8	978.5	982.1	989.8	979.1	935.8
6	987.1	990.4	983.4	998.5	998.	987.6	991.6	987.8	989.2	986.5	990.9	997.3	986.8	942.7
8	991.8	997.5	987.1	983.1	987.	998.7	1002.1	991.8	982.7	985.9	966.4	978.6	987.1	938.4
9	993.1	995.8	996.8	990.4	975.7	982.1	978.6	982.5	982.7	978.6	979.8	986.8	981.5	944.7
10	990.4	988.7	984.1	986.7	990.8	999.6	1002.9	1006.5	1004.4	999.7	992.6	991.7	988.6	942.2
11	*989.9	*995.4	*990.3	*979.4	.....	.....	*994.1	*1002.7	*999.9	*992.4	*996.3	995.4	987.3	943.1
12	980.9	986.9	975.3	974.6	987.1	977.	986.9	988.5	986.2	991.	992.	994.4	982.8	946.5
13	1012.8	1001.2	1000.3	995.5	990.8	992.6	994.	993.3	995.6	997.5	999.6	1004.3	997.5	945.2
15	1002.9	997.2	991.2	985.3	981.6	985.6	993.2	997.1	1001.6	1002.5	1002.	1003.4	991.7	942.8
16	1005.6	999.6	992.6	989.9	990.6	992 7	998.	996.5	997.1	1007.5	1007.8	1012.4	999.4	941.2
17	1022.6	1017.7	1016.8	1002.4	997.5	1000.4	999.1	1000.1	996.8	999.9	998.8	1000.1	1000.4	942.9
18	998.7	988.9	990.7	989.5	986.1	989.3	993.9	984.7	985.4	991.7	993.1	991.9	990.2	945.7
19	990.5	992.2	989.4	988.5	988.7	997.	995.8	1001.	997.7	1001.4	998.1	999.3	990.4	942.1
20	981.	984.2	988.5	982.9	982.6	986.4	987.5	983.7	985.5	983.9	985.2	984.8	990.9	943.4
22	979.3	980.7	990.8	985.	982.1	993.4	993.7	991.7	991.1	993.	997.5	§997.9	975.6	947.5
23	994.9	993 6	†991.	990.9	990.9	999.	999.4	1004.9	1005.8	1001.2	1007.2	1009.2	1000.4	951.9
24	1018.9	1014.9	1011.6	999.7	1000.6	1004.8	1007.2	1008.	1014.1	1033.'	1043.3	1048.5	1015.7	959.
25	997.3	994 9	987.5	983.2	976.3	981.6	985.5	986.	990.4	985.2	989.2	979.8	997.5	963.9
26	977.4	974.9	973.3	967.3	965.	975.9	998.4	976.6	980.2	971.1	976.3	966.7	973.2	963.7
27	972.7	974.4	975.4	975.5	975.5	976.	970.7	976.6	983.	986.2	982.2	975.2	973.3	959.4
29	991.7	988.7	990.9	986.7	986.9	986.5	984.4	988.7	985.7	986.	985.1	984.6	981.8	963.7
30	991.8	989.2	986.5	994.	993.7	990.6	1002.4	1002.4	997.1	998.7	998.2	1001.3	989.1	960.1
31	980.4	972.6	982.7	994.	981.4	976.4	975.2	978.3	981.4	‡984.7	975 3	975.5	985.1	957.2
Means	992.6	991.1	989.9	987.1	986.9	988.8	988.8	992.	991.7	992.7	992.6	993.2	988.3	946.9
Reduced to 32° F.	952.9	949.3	945.8	941.5	940.3	941.3	941.5	945.	945.1	946.9	948.3	949.9	946.9	

* One minute late. † Five minutes late. ‡ Twenty-five seconds late. § Ten minutes late.

Göttingen time... / Observatory time.	*h. m.* 6 02 / 0 21½	*h. m.* 7 02 / 1 21½	*h. m.* 8 02 / 2 21½	*h. m.* 9 02 / 3 21½	*h. m.* 10 02 / 4 21½	*h. m.* 11 02 / 5 21½	*h. m.* 12 02 / 6 21½	*h. m.* 13 02 / 7 21½	*h. m.* 14 02 / 8 21½	*h. m.* 15 02 / 9 21½	*h. m.* 16 02 / 10 21½	*h. m.* 17 02 / 11 21½
Jan. 1	43.9	44.1	43.3	43.5	43.9	44.3	45.2	45.8	46.2	48.1	49.	48.8
2	55.9	55.7	55.4	55.5	55.	54.9	55.	54.5	53.6	53.1	53.7	55.3
3	59.7	59.8	60.6	60.6	60.5	60.1	59.	58.	57.3	56.8	56.7	57.8
4	55.4	55.	56.4	55.6	55.7	55.6	54.2	53.7	52.6	51.4	51.	51.8
5	53.4	53.2	53.8	54.5	54.7	54.3	53.	51.8	50.1	49.	49.8	50.3
6	50.5	50.1	49.5	49.	49.5	49.2	49.3	49.4	49.	49.7	50.	50.8
8	58.9	57.8	57.1	57.	56.2	54.7	54.	53.1	53.	53.6	52.6	53.
9	52.	51.5	50.5	50.1	49.	48.3	47.4	47.3	46.4	45.7	45.4	45.8
10	50.9	50.8	50.6	50.8	50.6	50.6	50.9	50.3	49.9	49.8	50.5	52.4
11	53.5	52.8	51.8	51.7	51.2	50.1	49.5	49.7	50.	50.4	51.2	52.6
12	50.4	48.7	47.9	47.8	46.8	45.	44.8	44.6	44.	43.2	43.	43.8
13	54.7	54.8	54.7	54.2	53.9	53.7	54.	54.9	55.6	56.6	56.7	57.6
15	52.9	52.5	52.5	52.2	52.	52.4	52.4	52.2	52.8	53.8	54.5	55.2
16	58.3	58.8	59.5	60.3	60.8	60.	59.6	58.8	57.4	56.7	56.	56.2
17	61.7	61.9	62.1	61.2	60.7	60.4	59.7	59.	58.	57.6	57.9	58.8
18	54.9	54.2	53.8	53.6	53.	52.6	53.	52.7	51.7	51.7	52.3	53.6
19	50.9	51.	51.3	52.	52.6	52.3	52.6	52.8	51.9	52.1	51.7	52.5
20	58.2	58.7	58.9	58.7	58.2	56.7	55.9	54.7	53.	51.7	50.7	51.1
22	32.2	33.1	34.2	35.4	36.2	37.1	37.8	39.	40.2	42.	44.2	46.6
23	53.5	52.3	51.	50.2	50.2	50.1	50.6	51.6	52.	52.3	53.3	53.7
24	59.5	59.2	58.9	57.8	56.8	55.9	54.5	53.5	52.9	53.3	54.6	56.6
25	58.6	57.9	56.5	55.	54.7	53.8	52.1	50.4	48.4	47.1	46.4	46.4
26	35.5	35.1	35.1	35.1	35.4	35.	35.	35.8	35.8	34.4	34.1	34.2
27	38.	38.2	37.8	37.	36.5	36.1	36.3	37.	37.	36.7	36.4	35.9
29	33.5	35.3	36.9	38.1	....	39.2	40.2	41.3	42.	40.5	39.8	40.2
30	40.7	41.2	41.5	42.2	42.9	43.3	43.8	44.	43.5	43.7	44.3	45.4
31	47.7	47.8	48.2	48.4	48.	47.3	46.5	45.4	44.	43.4	42.5	41.9
Means	50.9	50.8	50.7	50.6	50.5	50.1	49.9	49.7	49.3	49.1	49.2	49.9

Approximate correction for temperature, 2.1 divisions of scale for 1° Fahrenheit.

Göttingen time Observatory time	A. m. 18 02 12 21½	A. m. 19 02 13 21½	A. m. 20 02 14 21½	A. m. 21 02 15 21½	A. m. 22 02 16 21½	A. m. 23 02 17 21½	A. m. 0 02 18 21½	A. m. 1 02 19 21½	A. m. 2 02 20 21½	A. m. 3 02 21 21½	A. m. 4 02 22 21½	A. m. 5 02 23 21½	Means.
Jan. 1	48.6	48.8	49.5	50.6	52.3	54.6	55.3	57.6	57.8	58.5	57.8	56.9	49.8
2	57.	58.8	60.8	61.9	63.	63.1	63.8	63.6	62.5	61.5	60.8	60.1	58.1
3	59.	60.7	60.4	60.1	59.	58.2	57.6	56.5	56.3	56.2	55.9	56.	58.4
4	53.5	55.	56.4	57.3	58.2	57.4	56.2	56.1	55.4	55.	54.2	53.7	54.9
5	51.	51.3	51.4	52.3	53.8	54.9	55.6	54.8	53.7	52.6	51.6	50.9	52.6
6	50.9	52.8	53.2	56.8	57.	57.2	57.3	58.3	58.3	58.7	57.7	56.9	53.
8	54.5	56.2	57.7	58.5	57.9	57.3	55.4	54.2	53.6	53.1	52.8	52.6	55.2
9	47.2	48.7	50.2	50.9	51.5	51.3	51.7	51.7	51.5	51.1	50.9	50.8	49.5
10	54.6	56.1	57.5	59.1	59.8	60.1	59.6	58.8	57.5	56.7	55.3	54.7	54.1
11	52.9	53.3	52.9	53.8	....	....	57.4	56.8	56.6	55.6	54.3	53.2	53.
12	45.2	47.7	50.5	51.8	52.9	54.2	55.3	55.8	55.6	55.	54.5	54.3	49.3
13	59.2	60.3	59.5	57.2	56.2	55.6	56.8	57.4	58.3	59.7	61.	62.3	56.9
15	55.4	55.6	56.	56.	56.6	56.9	57.4	58.6	59.5	60.	59.7	58.9	55.3
16	57.2	58.8	59.6	60.	60.4	60.8	61.2	62.2	62.4	62.7	62.7	62.2	59.7
17	59.6	60.9	62.7	63.3	62.8	61.7	60.7	60.4	59.6	58.8	57.4	56.7	59.4
18	53.4	52.8	53.2	53.3	53.1	53.1	53.6	54.2	54.8	54.3	53.3	51.3	53.2
19	53.8	55.6	57.3	59.	59.7	59.9	59.1	58.6	58.9	58.3	57.7	57.9	55.
20	52.	52.8	53.8	54.7	55.1	54.6	54.4	53.8	53.5	53.4	53.9	53.	54.6
22	48.2	49.7	51.3	52.5	53.4	53.9	53.8	53.9	54.	54.	54.	53.7	45.4
23	54.2	54.9	*56.3	57.7	58.7	59.7	59.6	59.9	59.7	59.9	60.	59.8	55.1
24	58.4	60.1	61.9	62.7	62.3	63.9	64.	63.5	63.	62.3	60.8	59.4	59.
25	46.3	46.	46.1	46.	46.	46.	45.2	44.5	42.4	40.7	38.9	37.	48.
26	34.4	35.	35.7	37.	38.4	40.2	40.1	40.2	39.4	38.9	38.3	37.9	36.5
27	36.9	38.3	39.8	40.7	42.6	43.1	43.4	41.2	40.3	40.	39.5	39.	38.6
29	40.6	41.7	42.6	43.4	43.8	44.	43.2	42.6	42.5	41.8	41.2	40.5	40.6
30	46.	47.	47.8	48.4	48.6	49.5	49.8	49.9	50.	49.5	48.6	47.9	45.8
31	43.1	44.8	46.1	46.	45.5	45.4	45.2	45.	45.	44.	43.6	43.2	45.3
Means	50.9	51.9	53.	53.7	54.2	54.6	54.5	54.4	54.2	53.6	53.1	52.6	51.7

* Five minutes late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time..	6 04	7 04	8 04	9 04	10 04	11 04	12 04	13 04	14 04	15 04	16 04	17 04
Observatory time..	0 23½	1 23½	2 23½	3 23½	4 23½	5 23½	6 23½	7 23½	8 23½	9 23½	10 23½	11 23½
Jan. 1	507.6	510.	503.2	501.4	505.6	513.7	525.7	535.8	540.4	562.9	576.3	570.2
2	708 3	698.3	692.	693.9	691.8	692.3	691.8	687.3	669.5	659.6	656.4	†668.5
3	726.1	724.2	732.	741.3	744.9	743.7	735.9	720.5	705.4	693.5	684.1	683.8
4	669.9	660.5	661.1	668.	676.3	682.6	675.8	663 6	645.7	627.	618.2	619.
5	655.5	647.4	648.3	668.2	684.2	679.	667.2	644.1	614.9	590.	593.6	602.6
6	609.1	600.1	591.9	585.7	589.1	588.8	589.2	590.5	583.7	578.5	579.	584.1
8	749.9	718.4	707.7	709.9	705.7	694.2	684.7	675.	667.1	668.4	*707.6	675.3
9	649.8	610.6	629.1	620.9	607.9	598.8	584.3	575.5	568.7	558.6	544.	538.8
10	605.5	600.2	599.4	603.7	603.3	603 9	606.3	603.1	598.8	596.1	597.2	620.9
11	663.3	652.5	642.	633.	625.7	613.9	600.	599.	602.5	597.5	607.2	623.3
12	639.9	608.1	606.	564.1	516.7	512.3	533.2	526.9	523.8	516.5	517.4	507.!
13	661.5	661.2	662.9	660 4	655.8	652.5	658.7	672.3	683.9	693.3	695.	702.8
15	641.9	629.9	624.9	623.4	620.7	623 8	625.9	626.1	636.1	655.4	671.2	682.5
16	756.	734.7	712.6	756.	765.1	760.8	752.3	746.1	723.1	709.7	693.3	682.3
17	768.1	762.3	763.	758.	749.3	745.8	736.1	724 4	711.8	699.5	696.2	702.7
18	665.4	646.6	634.	631.6	623.3	618.9	629.6	635.6	628.1	623.3	629.7	647.6
19	630.9	619.	623.	635.7	648.3	651.2	652.5	653.6	642.4	639.4	632.2	635.3
20	728.5	732.8	737.1	741.5	737.9	721.6	708.8	695.	671.5	646.5	625.2	619.
22	346.9	360.1	376.1	394.9	415.8	431.4	442.3	460.9	478.1	503.	532.3	562.2
23	661.9	649.4	628.4	617.4	611.4	611.6	611.7	618.7	626.1	630.	640.8	645.9
24	739 1	732.9	727.2	720.9	709.5	693.6	671.4	651.6	634.3	628.7	638.6	663.
25	730.9	716.3	700.	682.3	671.5	667.8	647.5	628.1	602.4	576.6	563.6	561.1
26	427.7	416.6	414.5	418.	423.	421.2	416.	411.8	422.	420.9	413.	410.5
27	412.	443.5	445.5	443.1	446.9	453.9	431 2	432.5	435.3	446.5	448.4	442.6
29	389.2	423.4	455.3	484.8	504.1	515.2	529 9	539.6	547.1	537.5	525.3	524.1
30	497.9	498.	508.8	522.7	554.2	544.1	550.6	551.1	546.8	548.4	553.9	571.
31	609.	592.3	582.7	591.1	592.3	590.5	579.6	570.1	550.3	552.1	541.3	551.6
Means	624.8	617.8	616.2	617.5	618.9	616.9	612.5	608.8	602.2	598.5	599.3	603.6
Reduced to 32° F.	304.9	303.3	300.3	301.6	303.	306 4	304.7	305.1	305.2	303.2	298.3	286.4

* Instrument disturbed.

† One minute late.

Gœttingen time.. Observatory time	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 01 15 23½	h. m. 22 04 16 23½	h. m. 23 01 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
Jan. 1	566.1	562.5	569.9	586.2	609.3	640.1	667.1	699.2	720.2	734.	731.7	722.1	590.1	286.4
2	685.9	713.9	747.2	770.8	782.7	789.5	796.9	793.9	782.9	764.4	746.5	733.4	721.6	296.4
3	696.8	717.9	†740.8	740.9	730.4	715.2	702.1	687.9	679.5	672.8	668.8	673.1	710.9	296.5
4	637.8	664.4	696.2	717.2	730.3	729.5	712.	703.4	695.2	683.1	672.4	665 3	673.9	297.3
5	614.8	615.8	621.7	618.4	674.7	711.9	711.3	698.3	677.9	655.1	633.5	620.4	647.9	287.5
6	595.2	610.4	647.9	679.3	689.6	697.3	716.9	726.3	728.2	734.6	728.1	718.5	639.2	284.3
8	693 5	722 9	752.3	772.1	769.8	756.5	721 2	697.1	681.8	666.2	659.5	656 2	704.8	305.2
9	550.5	570.8	596.4	616.9	622.2	620.3	622.1	622.6	621.9	616.2	612.5	609.2	599.9	298.9
10	655.8	681.4	695.9	723.5	738.3	714.6	742.4	737.1	720.5	708.2	693.2	678.9	656.6	293.5
11	*629.9	*637.	*634.2	*633.3	.....	.....	*736.7	*731.6	*723.9	*708.9	*694 9	670.3	651.6	291.3
12	525.2	560.1	593.3	623.8	644.2	665.4	682.3	690.3	688.	679.8	668.7	662.6	596.5	295.5
13	730.1	756.6	756.8	729.	703.5	691 4	706.8	723.1	740.8	759.9	785.9	808.9	711.1	302.1
15	687.7	687.	692.3	693.	698.8	707.5	715.8	733.5	751.6	758.1	754.7	747.1	678.7	294.
16	686.3	703.2	722.	735.4	745.1	752 7	758.1	758.9	763.1	770.9	774.3	773.8	740.2	300.1
17	707.4	717.6	726.8	739.2	748.8	753.6	752.4	752 2	738.8	723.7	706.5	685.3	732.1	301.5
18	663.3	657.1	660.2	661.4	660.3	660.	662.9	662.2	682.2	680.	659.7	645.4	648.7	295.
19	656.2	677.6	708.6	740.3	760.	767.7	759.4	747.5	740.7	729.3	719.3	722.1	683.	288.8
20	629.5	613.5	661.8	679.9	696.	692.5	686.9	675.8	667.4	659.2	652.2	643.	681.4	292.6
22	589.2	608.3	627.	645.2	669.6	676 5	671.5	670.6	671.3	671.	666.8	665.2	517.4	295.
23	651.3	657.	‡678.8	697.4	712.2	727.6	729.3	731.	734.5	734.	736.4	738.4	670.6	299.4
24	693.8	722.1	753.6	768.7	779.8	786.9	790.8	787.6	781.8	771.5	754.2	733.	722.3	298.4
25	559.2	555.8	555.9	547.9	555.3	558.	551.	539.8	516.6	488.3	464.5	444.	586.9	306.1
26	411.7	416.5	428.	451.2	471.2	491.	495.4	494.6	485.1	464.7	451.	448.5	438.5	306.2
27	447.5	462.2	485.5	505.9	521.9	539.1	540.2	520.1	503.5	489.	477.6	472	469.8	307.8
29	531.3	536.9	549.	560.7	569.4	574.1	554.3	547.9	543.9	531.	517.7	506.2	520.7	318.2
30	582.7	592.1	600.2	605.2	610.6	620.8	629.6	630.2	633.	630.5	622.2	610.2	575.6	313.7
31	542.5	567.9	595.4	604.1	595.1	591.1	584.8	576.3	573.2	559.2	549.1	547.9	574.4	309.8
Means	615.6	630.3	651.8	661.4	672.7	680.4	681.6	679.3	675.8	668.3	659.3	651.9	636.1	
Reduced to 32° F.	283.5	275.3	280.6	280.7	288.	294.6	299.6	302.7	305.9	306.5	307.	309.4		298.6

* One minute late.

† Two minutes late.

‡ Five minutes late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time..	6 04	7 04	8 04	9 04	10 04	11 04	12 04	13 04	14 04	15 04	16 04	17 04
Observatory time.	0 23½	1 23½	2 23½	3 23½	4 23½	5 23½	6 23½	7 23½	8 23½	9 23½	10 23½	11 23½
Jan. 1.....	48.1	47.8	46.8	47.1	47.8	48.7	49.6	49.8	51.2	53.	53.	52.4
2.....	61.4	60.9	61.1	61.2	59.9	60.8	60.9	59.7	58.6	58.	* 59.8	61.1
3.....	64.	64.3	65.5	65.4	65.1	64.5	63.	62.	61.2	60.5	60.5	62.3
4.....	59.3	58.5	59.	60.1	61.	60.2	58.7	58.	56.9	55.6	55.7	57.5
5.....	58.2	58.7	61.2	61.	60.4	60.	57.8	56.3	54.4	53.6	56.	56.6
6.....	55.	54.3	53.8	53.5	54.5	53.7	54.6	54.	53.4	53.7	54.8	55.2
8.....	63.6	62.2	61.8	62.2	61.4	59.9	59.6	59.	59.9	59.2	58.5	60.5
9.....	57.5	56.3	55.9	54.7	53.9	53.	52.	52.1	51.	50.3	49.8	49.8
10.....	54.9	54.3	55.	54.9	55.	55.	55.2	54.2	53.9	53.9	55.7	58.4
11.....	57.8	57.1	56.6	56.2	55.8	54.5	54.1	54.8	55.2	55.8	57.	58.2
12.....	56.7	52 8	52.	51.2	50.6	49.2	49.3	49.1	48.7	48.	48.	49.
13.....	59.	58.8	59.	58.3	57.8	58.1	59.2	60.8	61.	61.9	61.4	63.1
15.....	59.	56.4	56.5	....	56.1	56.8	56.8	57.	58.2	59.6	60.4	61.3
16.....	63.4	64.5	65.5	66.5	66.1	65.	64.6	63.2	61.9	60.7	59.9	60.5
17.....	66.	66.5	66.1	64.9	65.	64.3	63.3	62.3	61.3	60.6	61.6	62.7
18.....	58.4	57.5	57.5	57.1	56.4	56.4	57.7	56 8	56.	56.	57.7	60.
19.....	55.9	56.7	57.2	58.2	58.9	58.7	58.9	58.2	57.3	57.	57.	58.6
20.....	....	65.	65.	65.	63.8	62.3	62.	60.	58.3	56.3	55.9	57.2
22.....	35.1	36.4	37.6	39.	41.1	41.2	42.	44.	45.2	47.3	50.3	53.2
23.....	58.4	56.2	54.9	54.5	54.5	55.1	55.1	56.3	56.1	56.7	57.7	58.1
24.....	64.1	63.3	63.1	62.	61.1	59.1	58.	56.8	56.1	57.	59.2	61.6
25.....	62.5	61.9	60.2	59.4	59.2	58.5	56.8	55.	53.	51.7	51.6	52.1
26.....	40.4	40.1	39.7	39.5	41.	40.2	40.7	40.8	40.8	39.2	39.4	39.6
27.....	42.1	42.7	42.2	41.6	41.2	41.	40.3	42.1	42.	42.	41.8	41.6
29.....	38.1	40.7	43.2	44.6	45.	46.5	47.9	49.	49.	46.5	46.3	47.2
30.....	45.5	45.9	47.1	47.8	48.6	49.	49.2	49.2	48.6	48.8	50.3	51.5
31.....	53.7	53.3	53.2	53.7	53.3	52.7	51.7	50.5	49.5	48.9	47.9	48.2
Means.....	55.7	55.3	55.4	55.4	55.4	55.	54.8	54.5	54.	53.8	54.3	55.5

Approximate correction for temperature, 13.5 divisions of scale for 1° Fahrenheit.

* Thirty minutes late.

Göttingen time Observatory time	*h. m.* 18 04 12 23½	*h. m.* 19 04 13 23½	*h. m.* 20 04 14 23½	*h. m.* 21 04 15 23½	*h. m.* 22 04 16 23½	*h. m.* 23 04 17 23½	*h. m.* 0 04 18 23½	*h. m.* 1 04 19 23½	*h. m.* 2 04 20 23½	*h. m.* 3 04 21 23½	*h. m.* 4 04 22 23½	*h. m.* 5 04 23 23½	Means.
Jan. 1	52.1	52.8	54.4	55.3	58.	60.3	61.9	64.	64.3	64.7	63.4	62.	54.5
2	63.	63.8	67.7	68.6	68.2	69.2	69.8	68.4	66.9	65.5	64.5	64.6	63.5
3	63.9	66.	65.8	64.3	63.3	62.	61.2	60.2	60.2	59.8	60.4	60.	62.7
4	59.8	62.	63.4	64.5	64.4	63.	61.7	61.8	60.4	59.9	59.2	58.5	59.9
5	57.2	57.9	59.1	61.1	65.4	63.6	62.7	60.3	59.	57.3	56.3	55.4	58.7
6	55.1	58.8	62.4	63.3	62.8	63.4	65.	64.2	64.5	64.8	63.6	62.2	58.3
8	63.	65.8	67.8	67.8	66.4	64.2	61.6	60.4	59.	58.7	58.5	58.3	61.6
9	52.2	54.5	56.3	56.7	56.7	56.3	56.8	56.3	56.	55.4	55.4	55.	54.3
10	61.	62.8	64.3	65.4	65.9	65.4	64.9	63.4	62.	61.2	60.	59.	58.9
11	58.4	59.1	58.4	61.5	....	....	63.9	63.7	62.	60.5	59.1	56.5	58.4
12	51.2	54.2	57.	57.9	59.2	60.5	61.6	61.	60.4	59.1	58.7	58.5	54.3
13	65.5	65.6	64.3	61.4	60.3	60.7	63.1	64.	65.	67.6	70.	70.5	62.3
15	61.1	61.4	61.3	61.4	61.8	62.3	63.4	65.2	65.	66.	65.3	63.9	60.5
16	62.3	64.	64.9	65.4	65.5	65.9	66.5	66.9	67.	67.2	67.5	66.5	64.6
17	63.5	65.	65.9	66.7	66.1	65.3	65.3	64.8	64.	62.4	61.3	59.6	63.9
18	58.8	59.1	60.	59.4	59.	59.1	59.9	60.8	61.	59.5	57.4	56.7	58.2
19	60.1	63.1	65.4	66.8	68.3	66.9	65.1	64.6	64.4	63.4	63.	64.	61.2
20	58.9	60.3	61.9	63.3	62.7	61.5	60.8	60.	59.5	59.3	58.5	57.	60.8
22	54.	56.5	58.3	60.	60.4	59.8	59.3	59.4	59.7	59.6	59.1	59.	59.7
23	58.3	59.4	*61.3	62.3	63.7	64.	63.9	64.1	64.2	64.4	64.5	64.3	59.5
24	63.7	66.4	68.1	68.3	68.4	69.	68.4	67.9	67.1	66.1	64.5	63.	63.4
25	51.9	52.	51.7	52.	50.9	51.3	50.6	49.3	47.	45.2	43.4	41.6	52.6
26	40.	41.	42.8	44.2	45.7	46.6	45.9	45.4	44.	42.9	42.5	42.	41.8
27	43.2	45.3	47.3	47.9	49.3	50.1	48.4	45.9	45.3	44.9	44.3	43.3	44.
29	47.6	49.5	50.4	51.1	51.4	51.	48.5	48.4	48.	47.	46.	45.	47.
30	52.1	53.1	53.6	53.8	54.6	55.6	55.9	55.8	56.	55.2	54.1	53.5	51.4
31	50.5	53.6	55.1	54.	52.8	52.5	51.9	51.4	51.	49.5	49.4	49.1	51.6
Means	56.6	58.3	59.5	60.2	60.5	60.5	60.2	59.9	59.4	58.8	58.1	57.4	57.

* Five minutes late.

	Declination.			Horizontal force.				Vertical force.			
Göttingen time	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Jan. 1	*544.5	545.5	545.5	952.3	953.2	954.1	46.2	539.5	540.4	541.9	51.2
2	*539.	540.1	539.8	983.6	981.8	979.8	53.6	670.8	669.5	668.2	58.6
3	*544.	543.5	544 3	989.4	990.3	989.8	57.3	706.9	705.4	704.3	61.2
4	*545.6	544.5	546.5	969.1	970.	971.9	52.6	648.	645.7	644.5	56.9
5	*543.6	546.9	546 9	992.	985.2	982'8	50.1	617.3	614.9	611.4	54.4
6	*543.6	543.3	544.2	984.2	985.4	987.	49.	584.5	583.7	583.5	53.4
8	*540.3	540.2	540.3	987.3	986.1	991.5	53.	667.1	667.1	667.3	59.9
9	*547.	547.3	548.1	977.9	976.9	976.4	46.4	570.	568.7	567.3	51.
10	*546.6	546.	545.8	984.5	982.6	983.1	49.9	598.7	598.8	598.8	53.9
11	.....	.....	.....	977.8	978.4	977.1	50.	603.2	602.5	602.5	55.2
12	.....	.....	.....	974.4	974.6	974.3	44.	524.7	523.8	523.8	48.7
13	562 7	563.3	564.2	997.7	996.8	998.7	55.6	683.8	683.9	684.5	61.
15	560.7	563 8	564.4	985.9	984.7	986.1	52.8	634.6	636.1	637.8	58.2
16	563.5	564.7	563.8	995.2	994.7	996.1	57.4	725.	723.1	721.5	61.9
17	563.8	564.7	563.8	997.4	997.2	999.2	58.	713.3	711.8	710.7	61.3
18	564.3	565.2	565.2	978.	979.7	979.6	51.7	628.9	628.1	627.2	56.
19	562.7	563.1	561.5	987.2	986.4	985.2	51.9	643.6	642.4	641.4	57.3
20	564.4	565.4	565.1	985.8	986.3	985.4	53.	673.6	671.5	669.5	58.3
22	559.6	560.8	562.8	960.	960 5	961.6	40.2	476.4	478.4	480.	45.2
23	563.3	562.3	562.2	999.	997.6	999.4	52.	626.6	626.1	627.	56.1
24	565.	564.3	564.7	1008.8	1010.5	1012.	52.9	635.3	634.3	633.3	56.1
25	558.2	556.7	555.5	990.8	991.4	993.2	48.4	605.4	602.4	599.6	53.
26	565.1	565.1	565.6	972.6	975.1	975.8	35.8	421.5	422.	422.2	40.8
27	561.3	561 9	561.7	966.9	968.3	968.4	37.	434.3	435.3	436.2	42.
29	562.9	563.1	563.5	978.7	980.5	979.2	42.	549.4	547.1	546.5	49.
30	561.	560.5	560.8	978.4	977.5	977.3	43.5	547.5	546.8	546.7	48.6
31	563.9	564.	563.	996.4	984.	983.	44.	551.9	550 3	549.7	49.5

* The observations on the declination instrument, from the 1st to the 10th, must be raised to the standard of those of the latter part of the month, by a correction of + 19.5.

Göttingen time. Observatory time.	*h. m.* 18 00 12 19½	*h. m.* 19 00 13 19½	*h. m.* 20 00 14 19½	*h. m.* 21 00 15 19½	*h. m.* 22 00 16 19½	*h. m.* 23 00 17 19½	*h. m.* 0 00 18 19½	*h. m.* 1 00 19 19½	*h. m.* 2 00 20 19½	*h. m.* 3 00 21 19½	*h. m.* 4 00 22 19½	*h. m.* 5 00 23 19½	Means.
Feb. 1	547.8	549.9	550.6	547.4	560.1	557.	557.	559.1	559.7	558.1	560.5	561.1	557.7
2	544.4	543.4	554.	558.4	559.7	556.7	557.1	558.7	564.1	563.2	562.6	563.1	557.8
3	554.5	551.2	553.5	559.6	553.8	555.2	563.5	560.4	564.6	563.9	561.9	557.9	559.7
5	546.6	546.3	553.4	545.8	555.4	558.8	555.	563.3	556.7	560.5	565.2	562.6	557.1
6	549.3	552.3	554.	553.4	558.3	558.1	560.6	558.9	562.6	560.3	558.	558.5	558.4
7	550.6	552.7	550.	553.5	560.1	554.	553.4	557.4	558.5	560.6	568.	557.8	557.3
8	544.	546.9	551.2	553.2	556.7	560.2	559.7	559.7	568.7	565.8	558.7	558.5	558.9
9	552.8	552.1	555.	556.	557.5	557.8	559.	559.8	560.4	560.7	565.	558.2	558.2
10	552.2	552.9	551.6	552.	553.7	555.4	558.	555.1	559.7	558.1	558.6	557.6	557.4
12	553.7	554.	556.	558.1	557.5	557.	557.2	559.2	558.1	558.4	560.7	559.2	558.1
13	554.3	553.6	556.2	558.2	558.7	555.8	561.	557.7	557.8	557.3	559.5	559.6	558.6
14	554.6	554.8	557.8	560.1	558.3	556.9	557.7	558.2	558.5	557.9	558.3	558.5	558.8
15	548.1	550.1	553.1	554.5	553.4	553.2	556.4	557.2	557.5	557.6	557.8	557.5	557.3
16	552.5	554.1	556.7	557.5	557.1	556.2	555.8	557.4	558.3	559.4	557.2	556.5	557.9
17	546.7	547.5	550.2	553.8	557.6	560.5	559.	563.6	563.5	563.3	561.8	559.7	558.
19	550.2	550.5	552.5	554.8	557.5	557.8	557.6	558.	558.4	558.	558.5	556.9	557.2
20	553.5	551.8	552.8	553.7	555.5	558.	560.	560.2	559.5	559.7	559.4	557.6	558.
21	552.7	551.5	550.3	552.8	554.8	557.	557.6	558.	557.5	558.4	559.2	558.7	557.7
22	551.2	549.	548.7	549.	553.3	556.7	557.6	558.	559.1	558.7	559.2	558.	558.1
23	552.3	551.6	553.7	555.6	556.4	555.6	556.	556.	557.	556.4	557.3	557.6	557.5
24	551.3	552.8	555.5	557.7	556.6	556.	557.	557.3	558.9	559.1	557.8	559.6	558.1
26	555.1	554.3	554.1	555.	556.2	556.7	556.4	556.7	558.4	557.8	558.	558.4	557.7
27	552.9	554.4	554.	555.3	557.3	557.4	556.3	556.9	558.7	558.4	559.4	560.5	558.7
28	553.1	553.	547.3	550.6	549.6	549.5	555.2	556.3	556.6	556.2	*603.8	*565.3	558.9
29	552.6	547.5	552.7	554.2	555.6	557.5	556.	556.7	557.6	557.8	558.2	555.1	557.5
Means	551.1	551.1	553.	554.4	556.4	556.6	557.6	558.4	559.6	559.4	561.8	559.	558.

* See disturbance observations.

1831

Göttingen time... / Observatory time.	h. m. 6 02 / 0 21½	h. m. 7 02 / 1 21½	h. m. 8 02 / 2 21½	h. m. 9 02 / 3 21½	h. m. 10 02 / 4 21½	h. m. 11 02 / 5 21½	h. m. 12 02 / 6 21½	h. m. 13 02 / 7 21½	h. m. 14 02 / 8 21½	h. m. 15 02 / 9 21½	h. m. 16 02 / 10 21½	h. m. 17 02 / 11 21½
Feb. 1	977.7	983.1	982.9	973.4	971.	971.9	976.3	979.6	974.1	974.5	986.4	1006.2
2	1019.9	1011.5	1008.7	1006.	1002 5	1007.4	1003.	1006.6	1009.	999.2	1006.	1012.2
3	1021.3	1024.7	1018.6	1018 4	1023.	1015.3	1012.9	1013.9	1016.1	1020.9	1019.3	1016.2
5	1001.1	999.9	1001.8	999.9	994.2	998.2	1003.4	1002.3	999.6	1004.4	1018.6	1015.1
6	1009.4	1018.6	1016.9	1032.8	1016.7	1008.3	1011.8	1013.	1010.8	1019.	1023.3	1029.1
7	1024.2	1027.8	1029.7	1023.	1031.	1016.	1017.8	1019.7	1020.7	1021.	1018.1	1019.6
8	1033.2	1034.3	1034.	1035.5	1031.5	1022.3	1031.2	1027.3	1031.8	1038.1	1047.9	1059.7
9	1017.4	1012.	1010.4	1006.	1004.5	1003.3	1000.5	1001.1	1004.1	1006.7	1008.8	1009.8
10	994.7	989 7	989.2	982.3	988.7	982.8	981.	984.3	985.8	988.6	991.	998.
12	999.9	999.7	999.4	999.5	995.4	992.7	994.7	993.1	995.	995.	1006.3	1013.6
13	1019.2	1017.2	1015.2	1008.3	1006.7	1001.8	1002.	1002.3	1003.7	1004 9	1002.7	1010 5
14	1016.1	1015.	1015.5	1013.4	1010.1	1007.5	1009.1	1007.	1007 6	1012.2	1016.1	1014.5
15	1012.5	1007.5	1014.2	1013.4	1014.4	1016.	1008.9	1011.7	1014.6	1008.7	1007.	1014.8
16	1021.1	1023.7	1021.2	1022.6	1020.3	1020.5	1015.9	1016 8	1015.4	1013.3	1013.7	1014.6
17	1017.	1011.1	1007.2	1011.	1004.9	1005.9	1006.2	1010.6	1014.7	1020.9	1021.5	1021.
19	994.7	993.2	993.2	993.2	992.9	993.4	994.6	996.8	1001.9	1008.6	1013.1	1018.3
20	1013.3	1013.3	1014.4	1015.2	1014.	1010.9	1010.1	1014.7	1019.3	1023.2	1027.4	1033.6
21	1021.5	1020.2	1020.5	1016.8	1015.7	1013.	1012.9	1017.1	1014.3	1013.7	1016.7	1023.1
22	1028.8	1033.	1034.	1028.4	1031.	1029.	1026.1	1022.8	1021.5	1023.1	1023.8	1024.6
23	1028.3	1022.7	1024.6	1026.5	1021.	1021.2	1022.	1024.2	1025 2	1031.6	1034.	1035.9
24	1038.2	1037.1	1031.8	1026.6	1023.6	1021.	1016.5	1019.2	1024.8	1028.2	1026.4	1021.5
26	1006.3	1002.4	1002.2	1002 7	1001.9	1001.5	1001.7	1005.4	1005.3	1001.6	1008 6	1011.
27	1024.7	1027.2	1031.2	1031.4	1027.7	1030.8	1023.9	1026.	1028.7	1030.7	1033.8	1036.7
28	1018.5	1019.8	1011.2	1012.8	1016.	1012.1	1013.4	1015.2	1017.2	1023.	1023.6	1017.9
29	*1065.	*1056.5	*1056.3	*1048 1	*1021.6	*1048.6	*1054.5	*1051.8	*1052.	1054.7	1058.5	1057.7
Means	1016.9	1015 9	1015.5	1013.9	1010.8	1010.1	1010.	1011.3	1012.7	1013.4	1018.1	1021.4
Reduced to 32° F.	972.	971.6	971.6	970.	967.3	967.	967.4	969.3	970.9	970.3	974.2	976.

* See disturbance observations.

230	Göttingen time.. Observatory time.	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.	Reduced to 32° F.
Feb. 1		998.9	996.2	999.6	1023.9	1020.7	999.4	1004.5	1002.5	1006.	1008.5	1010.4	1013.6	993.4	965.
2		1040.5	1009.9	1004.1	1001.	1002.3	1008.6	1024.5	1031.	1029.6	1036.	1033.4	1043.1	1014.8	968.6
3		1015.1	1016.4	1021.9	1009.4	1008.	1019.3	1028.7	1030.9	1038.6	1012.9	1015.7	1011.8	1018.7	973.3
5		1018.8	1024.1	1010.1	1013.6	1027.8	1013.2	1033.7	1025.	1006.8	1011.3	1006.1	1002.5	1009.6	976.6
6		1034.1	1022.6	1013.8	1011.8	1027.9	1021.2	1018.8	1023.	1018.8	1020.2	1024.9	1025.4	1019.8	973.4
7		1026.	1017.4	1012.3	1031.2	1061.8	1042.1	1046.	1017.5	1051.8	1036.3	1029.4	1033.1	1028.9	974.7
8		1043.4	1036.4	1025.4	1021.	1024.9	1020.4	1015.2	1011.9	1037.9	1032.6	1019.6	1018.6	1030.5	981.4
9		1011.	1008.	999.9	995.4	995.3	1000.4	1000.	1000.5	1000.4	997.8	996.	997.5	1003.6	974.6
10		1002.7	1000.4	999.6	1012.9	1005.7	1003.8	1008.7	1004.	994.3	995.9	998.1	995.9	995.	975.5
12		1015.	1008.1	1010.	1007.4	1014.2	1016.5	1017.1	1029.	1019.1	1017.5	1014.7	1019.5	1007.2	970.7
13		1008.9	1008.8	1011.1	1008.2	1010.5	1015.3	1016.3	1009.9	1011.1	1013.5	1016.7	1017.7	1010.1	968.9
14		1012.7	1008.9	1006.5	1004.9	1011.6	1013.4	1014.	1012.	1009.8	1011.5	1012.5	1013.6	1011.5	964.5
15		1010.1	1008.2	1008.	1014.	1026.5	1021.	1018.6	1017.	1019.2	1019.5	1019.3	1020.7	1014.4	969.2
16		1016.3	1013.1	1014.4	1016.	1026.3	1025.4	1025.4	1016.7	1018.4	1015.8	1025.6	1007.2	1018.3	969.4
17		1018.6	1016.	1012.	1010.5	1018.7	1015.	1012.5	1025.6	1028.3	1024.6	1029.5	1024.	1016.1	968.8
19		1018.2	1023.	1011.3	1010.5	1010.3	1013.2	1015.6	1015.1	1016.3	1017.	1019.5	1016.	1007.7	966.3
20		1041.9	1039.5	1035.9	1032.4	1024.1	1025.7	1023.1	1022.2	1024.2	1022.5	1021.3	1023.9	1022.8	965.3
21		1029.6	1033.	1037.	1029.8	1026.6	1027.7	1032.3	1041.	1034.7	1031.4	1027.3	1026.4	1024.2	967.1
22		1032.6	1037.4	1041.8	1039.8	1032.9	1036.1	1033.8	1032.2	1029.9	1030.7	1030.4	1029.6	1030.5	970.4
23		1041.4	1036.	1031.4	1033.3	1038.8	1041.8	1040.4	1040.	1041.4	1041.9	1040.5	1038.1	1032.6	970.4
24		1006.8	999.5	999.5	1003.8	1005.8	1008.3	1009.9	1010.9	1011.8	1010.	1012.4	1004.8	1016.6	966.4
26		1018.4	1022.	1017.5	1019.1	1015.3	1015.9	1013.9	1014.7	1016.8	1016.9	1018.5	1015.2	1010.9	964.3
27		1031.6	1032.3	1033.7	1034.4	1032.7	1027.8	1022.9	1023.1	1025.5	1022.5	1023.3	1021.3	1028.5	966.8
28		1018.2	1035.9	1048.9	1046.2	1058.3	1071.5	1045.9	1041.	1050.4	1061.9	†1082.4	†1084.3	1035.	976.2
29		1055.	1062.4	1048.3	*1045.1	1046.7	1056.7	1057.7	1063.2	1062.	1065.1	1056.3	1040.8	1053.5	981.3
Means		1022.6	1020.6	1018.3	1019.	1023.	1022.4	1023.2	1023.6	1024.1	1023.	1023.4	1021.8	1018.1	
Reduced to 32° F.		975.3	971.5	967.1	966.9	970.1	968.6	969.9	971.1	972.2	971.5	973.	973.1		970.6

* One minute late.

† See disturbance observations.

...n time.. / ...servatory time.	h. m. 6 02 / 0 21½	h. m. 7 02 / 1 21½	h. m. 8 02 / 2 21½	h. m. 9 02 / 3 21½	h. m. 10 02 / 4 21½	h. m. 11 02 / 5 21½	h. m. 12 02 / 6 21½	h. m. 13 02 / 7 21½	h. m. 14 02 / 8 21½	h. m. 15 02 / 9 21½	h. m. 16 02 / 10 21½	h. m. 17 02 / 11 21½
Feb. 1.....	42.5	41.3	40.3	40.2	40.3	40.9	41.2	41.7	41.	40.7	41.	42.3
2.....	50.5	50.8	50.5	51.2	51.5	52.3	53.	52.8	52.2	51.4	51.3	52.3
3.....	53.1	52.8	52.6	53.	53.1	52.3	51.9	51.1	51.3	51.7	52.	52.7
5.....	45.7	45.2	45.	44.8	44.7	44.6	44.8	44.5	45.2	45.7	46.1	46.6
6.....	49.8	50.	50.1	50.3	50.2	50.8	51.8	52.2	53.1	54.4	54.6	54.7
7.....	56.2	55.7	55.8	55.5	55.2	55.3	55.	54.1	53.2	52.9	53.4	54.8
8.....	59.6	58.7	58.5	58.	57.5	57.	56.4	55.8	55.1	54.6	54.2	54.4
9.....	49.3	48.2	47.3	47.2	46.5	45.6	44.5	43.8	43.7	43.7	43.8	44.5
10.....	38.9	38.9	39.4	39.2	39.	38.9	38.9	38.8	38.2	38.4	39.1	40.6
12.....	44.3	45.	45.1	44.9	44.1	43.7	43.3	43.2	43.8	45.2	46.6	47.8
13.....	52.2	50.9	49.8	49.	48.8	48.7	48.4	47.4	47.5	48.1	48.7	49.5
14.....	53.8	53.1	52.5	52.1	52.1	51.8	51.8	50.9	51.5	53.2	54.	53.9
15.....	55.	54.4	54.1	53.9	53.2	52.7	52.3	51.7	51.	51.3	51.8	52.5
16.....	55.8	56.7	56.8	56.2	55.	55.1	54.4	53.9	53.8	54.2	55.	55.6
17.....	52.3	52.2	52.5	53.2	53.2	53.2	53.2	53.5	54.1	54.6	54.9	54.8
19.....	45.2	45.5	46.2	47.	46.9	46.9	46.9	47.3	47.6	48.6	49.2	49.9
20.....	55.8	55.9	55.8	56.	56.5	56.7	56.6	55.7	56.2	57.6	59.3	61.3
21.....	59.	58.1	57.3	56.6	56.2	55.7	55.2	54.	53.9	54.8	56.3	58.4
22.....	60.7	60.7	60.5	60.7	60.7	60.8	60.	59.1	58.4	59.1	59.8	60.3
23.....	59.7	59.4	59.8	59.2	58.8	58.7	58.5	57.5	57.2	57.7	58.6	60.
24.....	64.4	62.3	60.8	59.5	58.2	56.7	55.7	55.4	55.	54.3	54.2	53.3
26.....	50.5	50.2	50.2	50.4	50.3	50.8	51.5	51.3	51.9	52.4	53.	54.3
27.....	60.5	61.1	61.5	61.2	60.8	61.2	61.1	61.3	60.8	60.7	60.5	60.2
28.....	55.9	56.5	57.5	58.8	59.1	58.3	57.7	57.	57.6	59.1	58.9	58.7
29.....	64.7	63.7	63.4	64.3	65.	63.8	63.7	64.8	65.2	67.6	67.2	66.6
Means.....	53.4	53.1	52.9	52.9	52.7	52.5	52.3	52.	51.9	52.5	52.9	53.6

Göttingen time Observatory time	*h. m.* 18 02 12 21½	*h. m.* 19 02 13 21½	*h. m.* 20 02 14 21½	*h. m.* 21 02 15 21½	*h. m.* 22 02 16 21½	*h. m.* 23 02 17 21½	*h. m.* 0 02 18 21½	*h. m.* 1 02 19 21½	*h. m.* 2 02 20 21½	*h. m.* 3 02 21 21½	*h. m.* 4 02 22 21½	*h. m.* 5 02 23 21½	Means.
Feb. 1	44.2	46.5	48.1	49.1	50.2	51.5	52.1	51.4	51.3	51.3	51.3	50.7	45.5
2	54.	55.5	56.8	57.3	57.5	57.7	57.1	56.8	56.9	56.8	55.7	54.4	54.
3	54.	55.3	56.7	57.4	57.6	57.7	56.1	55.3	53.9	52.7	51.4	50.1	53.6
5	47.3	48.	48.8	50.	50.9	51.8	51.6	50.9	50.5	50.6	50.3	50.	47.7
6	55.	55.6	56.	56.2	56.1	56.5	56.6	56.7	57.	57.3	57.5	57.	54.1
7	57.	58.2	58.9	60.2	61.7	63.1	62.9	62.8	62.5	61.9	61.	60.5	57.8
8	54.9	55.4	55.7	55.9	55.4	54.7	54.4	53.8	53.8	53.2	52.	50.4	55.4
9	45.8	47.1	48.3	48.9	48.7	48.7	47.7	46.5	45.1	43.9	41.9	37.8	45.8
10	42.2	43.2	44.3	44.7	44.3	44.	43.5	43.3	43.3	43.7	43.5	42.8	41.3
12	49.1	50.8	52.6	54.2	55.4	56.6	56.4	55.7	55.	54.7	54.1	53.4	49.4
13	50.1	51.3	52.2	53.2	53.9	54.6	55.1	55.8	56.	56.5	56.1	55.	51.6
14	53.9	54.7	55.9	56.9	57.7	57.6	57.1	56.3	56.	56.2	56.	55.7	54.4
15	53.1	52.8	53.1	53.4	53.9	54.2	54.6	54.9	54.9	55.	55.	55.5	53.5
16	56.	56.	55.6	55.7	55.7	56.3	56.5	55.9	55.6	54.9	54.	53.	55.3
17	54.8	55.1	55.4	55.2	55.3	55.9	56.4	56.8	56.2	55.8	54.9	53.7	54.5
19	50.7	52.8	54.7	56.3	57.3	57.8	57.4	57.3	57.7	57.6	56.8	55.9	51.7
20	62.3	62.7	63.1	63.4	63.9	63.3	62.3	61.2	60.5	59.8	59.5	59.1	59.4
21	60.7	62.8	63.4	63.5	63.3	63.3	62.6	61.7	61.5	61.1	60.7	60.1	59.2
22	60.8	61.5	61.3	62.2	62.3	62.1	61.8	61.3	60 9	60.3	59.9	59.8	60.6
23	60.9	61.6	62.3	63.7	64.9	65.9	65.9	65.7	66.1	65.9	65.1	64.7	61.6
24	53.3	54.	54.4	55.1	55.	55.1	55.	54.4	54.2	53.9	53.7	53.2	55.9
26	55.2	55.8	56.4	56.9	56.9	57.	56.8	56.7	57.4	57.9	58.2	59.7	54.2
27	60.7	62.4	63.7	63.4	62.8	61.8	61.7	62.3	61.1	60.	59.2	57.5	61.4
28	59.5	60.3	60.6	62.4	62.7	62.6	62.5	62.8	62.2	62.5	63.4	64.5	60.
29	66.4	66.1	66.2	65.6	67.	69.	70.4	69.5	69.	68.1	67.8	67.2	66.4
Means	54.5	55.4	56.4	56.8	57.2	57.6	57.4	57.	56.7	56.5	56.	55.2	54.6

Washington time	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Observatory time	7 45	7 45	7 45	7 45	7 45	7 45	7 45	7 45	7 45	7 45	7 45	7 45	7 45
Feb. 1	566.5	565	565.5	565	565.5	565	565	565	565	565	565	565	565
2	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5
3	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5
5	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9
6	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5	565.5
7	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2
8	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4	726.4
9	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4
10	450.	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5
12	506.9	506.9	506.9	506.9	506.9	506.9	506.9	506.9	506.9	506.9	506.9	506.9	506.9
13	611.3	611.3	611.3	611.3	611.3	611.3	611.3	611.3	611.3	611.3	611.3	611.3	611.3
14	657.1	657.1	657.1	657.1	657.1	657.1	657.1	657.1	657.1	657.1	657.1	657.1	657.1
15	671.6	671.6	671.6	671.6	671.6	671.6	671.6	671.6	671.6	671.6	671.6	671.6	671.6
16	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7
17	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6	617.6
19	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5
20	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5
21	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1
22	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9
23	698.7	698.7	698.7	698.7	698.7	698.7	698.7	698.7	698.7	698.7	698.7	698.7	698.7
24	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4	780.4
26	604.	604.	604.	604.	604.	604.	604.	604.	604.	604.	604.	604.	604.
27	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2
28	689.	689.	689.	689.	689.	689.	689.	689.	689.	689.	689.	689.	689.
29	*794.2	*794.2	*794.2	*794.2	*794.2	*794.2	*794.2	*794.2	*794.2	*794.2	*794.2	*794.2	*794.2
Means	642.	642.	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0
Reduced to 32° F.	300.5	295.1	299.3	299.1	299.	299.0	299.0	299.	299.0	299.0	299.0	299.0	299.0

* Non disturbance observations

| One minute late

Göttingen time.. Observatory time.	*h. m.* 18 04 12 23½	*h. m.* 19 04 13 23½	*h. m.* 20 04 14 23½	*h. m.* 21 04 15 23½	*h. m.* 22 04 16 23½	*h. m.* 23 04 17 23½	*h. m.* 0 04 18 23½	*h. m.* 1 04 19 23½	*h. m.* 2 04 20 23½	*h. m.* 3 04 21 23½	*h. m.* 4 04 22 23½	*h. m.* 5 04 23 23½	Means.	Reduced to 32° F.
Feb. 1.....	529.7	557.6	582.	599.1	645.	631.	643.7	640.5	657.8	631.5	628.9	623.8	563.	306.5
2.....	637.3	662 8	687.6	704 9	720.	718.9	713.4	704.9	707.7	694.4	682.7	671.1	661.5	301.1
3.....	653.7	675.	696.8	695.2	727.1	731.2	716.6	695.8	670.7	648.1	627.8	612.8	657.3	295.5
5.....	556.2	562.4	567.1	583.8	598.	615.6	618.8	612.	600.4	594.3	587.3	584.4	563.3	292.
6.....	664.7	664.9	667.6	667.9	671.1	674.6	679.8	681.6	685.7	688.1	691.8	696.1	646.5	291.5
7.....	682.9	706.6	718.7	735.	752.9	770.3	777.9	777.5	773.5	766.6	758.1	746.3	706.9	291.1
8.....	653.9	666.7	678.8	683.1	679.8	673.6	668.6	660.9	649.1	634.9	616.2	597.1	669.	289.7
9.....	537.1	534.9	573.1	588.9	598.2	589.	579.4	564.3	543.7	517.2	488.3	461.9	546.1	291.
10.....	458.7	511.9	532.1	541.1	536.7	530.	518.2	507.2	501.1	497.9	494.9	491.1	484.6	291.6
12.....	578.2	596.	620.9	617.5	666.1	681.8	690.5	683.1	671.9	663.	658.2	632.5	584.9	287.9
13.....	590.1	600.1	612.6	621.7	650.5	658.2	662.5	671.8	680.	680.3	681.6	672.8	617.9	291.2
14.....	650.	657.	674.3	695.3	706.8	709.5	703.3	690.7	681.	675.8	676.9	676.	655.	293.2
15.....	631.3	671.	631.7	637.2	645.5	647.	651.4	654.	655.	669.1	646.7	650.	642.7	297.1
16.....	665.8	663.1	663.7	662.8	662.8	662.3	664.5	658.7	634.4	644.6	634.6	629.6	654.8	293.
17.....	661.	659.1	660.2	658.5	661.2	687.2	695.	699.2	694.5	685.6	674.6	638.6	659.4	289.5
19.....	599.9	615.8	638.5	653.8	668.3	682.2	684.6	682.1	681.5	678.3	672.5	664.7	607.5	286.2
20.....	760.5	763.	765.5	766.5	769.5	768.6	758.9	742.7	725.8	710.7	704.4	703.4	712.6	287.4
21.....	719.1	750.3	764.1	764.	761.2	760.1	752.5	742.6	732.3	723.	716.3	713.	707.	287.2
23.....	720.1	721.9	727.	730.8	735.7	736.9	735.	729.	721.3	710.2	702.	697.6	724.1	286.7
23.....	717.3	723.8	733.3	747.	761.6	772.9	778.9	781.9	784.9	786.	783.	780.8	730.8	279.9
24.....	639.6	642.7	652.	655.5	667.9	668.3	664.7	657 7	648.3	637.4	625.2	619.9	676.7	294.7
26.....	657.	663.4	667.5	674.4	686.6	680.9	677.4	675.3	678.1	690 1	701.9	724.6	648.5	285.4
27.....	737.1	752.1	775.2	778.6	767.3	754.	751.8	762.7	756.5	739.6	724.9	711.6	753.6	291.9
28.....	729.7	729.6	754 3	746.7	760	743.7	747.5	754.	756.8	753.	†767.6	†785.9	741.1	280.8
29.....	823.9	812.8	799.	*802.2	804.7	827.2	861.	860.4	851.3	838.	825.4	826.9	818.9	274.9
Means	650.2	662.7	673.3	681.7	691.8	695.1	695.8	691.6	685.7	678.3	670.9	664.5	657.4	
Reduced to 32° F.	273.6	273.9	273.7	274.	281.4	286.1	293.5	297.4	298.3	296.3	295.6	296.		290.2

* Two minutes late.

† See disturbance observations.

Göttingen time...	h. m. 6 04	h. m. 7 04	h. m. 8 04	h. m. 9 04	h. m. 10 04	h. m. 11 04	h. m. 12 04	h. m. 13 04	h. m. 14 04	h. m. 15 04	h. m. 16 04	h. m. 17 04
Observatory time.	0 23½	1 23½	2 23½	3 23½	4 23½	5 23½	6 23½	7 23½	8 23½	9 23½	10 23½	11 23½
Feb. 1.....	47.7	46.	45.5	45.8	46.2	47.	47.7	47.1	46.	45.8	46.2	48.
2.....	49.7	54.7	55.6	56.	56.4	57.6	58.	57.2	56.	55.3	55.3	57.
3.....	57.1	56.4	56.8	57.8	57.3	56.8	56.5	55.9	56.8	57.2	57.3	58.4
5.....	49.6	49.1	48.8	48.6	48.4	48.8	48.5	48.5	49.5	50.2	50.4	57.2
6.....	53.	53.6	54.	54.2	*54.4	54.8	55.3	56.	58.	59.5	59.3	59.2
7.....	60.3	60.	60.1	59.8	59.8	59.8	59.3	58.2	57.	57.	58.2	60.4
8.....	63.2	62.7	62.5	62.1	61.3	61.	60.2	59.6	59.2	58.5	58.7	59.7
9.....	53.2	52.9	52.	52.2	51.7	50.5	49.3	48.9	48.7	49.2	49.5	50.4
10.....	43.4	44.1	45.	44.7	44.5	44.7	44.3	43.8	43.	43.1	44.	46.3
12.....	48.	49.1	49.	48.5	47.6	47.3	46.8	46.8	48.2	50.3	51.4	52.8
13.....	56.3	54.3	53.3	53.	53.	53.1	53.	51.8	52.1	52.9	53.3	54.4
14.....	57.3	56.8	56.3	56.3	56.1	55.9	55.3	54.4	56.	57.9	58.4	58.2
15.....	59.	58.5	58.5	58.2	57.3	57.	56.3	55.1	55.2	55.7	56.3	56.8
16.....	59.8	60.3	60.	59.2	58.8	58.6	58.8	57.3	57.3	58.1	59.	59.8
17.....	55.8	56.2	57.5	58.3	58.2	58.	58.9	58.5	59.	59.1	59.3	59.1
19.....	49.3	49.8	50.9	51.2	50.8	51.1	51.3	52.2	52.6	53.4	53.4	54.1
20.....	59.2	59.9	59.9	59.9	60.2	60.8	60.3	59.5	61.3	63.5	65.3	67.1
21.....	63.	62.	61.1	60.1	60.	59.8	58.7	57.3	57.8	59.2	61.3	63.9
22.....	64.5	64.7	64.9	65.3	65.5	65.3	64.3	63.2	62.9	63.2	63.6	64.2
23.....	62.8	63.5	63.8	63.	62.8	62.8	62.2	61.	61.	61.5	63.	64.3
24.....	68.2	66.	64.5	63.2	62.2	60.8	60.	60.	59.6	59.	58.5	57.6
26.....	54.4	54.7	55.	55.3	55.2	56.	56.3	55.9	56.3	56.8	57.6	59.
27.....	66.4	66.7	67.3	66.1	66.1	67.	66.9	67.	65.8	65.5	65.	64.3
28.....	60.6	63.2	64.9	66.	66.5	65.1	64.	63.5	65.2	66.	†64.8	64.2
29.....	70.1	68.7	69.2	70.9	71.1	69.2	70.	71.8	73.8	75.	73.3	72.
Means.....	57.3	57.4	57.5	57.4	57.2	57.2	56.9	56.4	56.7	57.3	57.7	58.7

* Fifteen minutes late.

† One minute late.

Göttingen time Observatory time	*h. m.* 18 04 12 23½	*h. m.* 19 04 13 23½	*h. m.* 20 04 14 23½	*h. m.* 21 04 15 23½	*h. m.* 22 04 16 23½	*h. m.* 23 04 17 23½	*h. m.* 0 04 18 23½	*h. m.* 1 04 19 23½	*h. m.* 2 04 20 23½	*h. m.* 3 04 21 23½	*h. m.* 4 04 22 23½	*h. m.* 5 04 23 23½	Means.
Feb. 1	50.2	53.5	55.	55.6	56.2	57.1	57.4	56.5	56.2	56.1	55.9	55.	51.
2	59.4	61.5	63.4	64.	64.	63.5	62.3	62.	62.1	61.3	59.6	58.	58.7
3	60.7	62.4	64.2	65.3	65.3	63.3	61.4	60.3	57.8	57.	55.5	54.4	58.8
5	57.8	52.2	53.2	54.6	55.7	56.3	55.8	54.5	53.9	53.8	53.2	53.	52.1
6	59.2	59.6	60.6	59.8	60.4	60.7	60.7	60.8	61.2	61.7	62.1	61.3	58.3
7	63.2	64.5	65.3	66.5	68.	69.1	68.7	68.3	67.4	66.8	65.8	64.4	62.8
8	60.7	61.6	62.3	62.	61.3	60.5	59.8	59.3	58.3	57.4	56.	54.2	60.1
9	52.2	53.7	55.3	54.6	54.5	54.	52.4	51.	49.2	49.4	45.3	43.4	50.9
10	48.3	50.	51.	50.7	49.4	48.3	47.5	47.	47.	47.	46 7	46.3	46.8
12	54.3	56.4	59.	60.	61.4	62.6	61.4	59.9	59.2	59.2	58.8	57.9	54.
13	55.	56.5	57.5	59.9	59.	59.3	59.7	*60.7	60.7	60.9	60.	58.5	56.2
14	58.8	60.2	62.	63.2	63.7	62.7	61.2	60.4	59.9	60.3	60.2	59.9	58.8
15	57.4	56.8	57.3	57.7	58.3	58.2	58.8	58.7	58.6	58.4	58.7	58.9	57.6
16	60.1	60.	59 3	59.4	59.7	60.2	59.6	58.9	58.1	57.6	56.8	55.9	58.8
17	59.5	59.9	60.7	60.8	61.5	61.5	62.	62.	61.	60.4	59.4	57.7	59.4
19	55.3	57.7	59.6	60.8	61.8	61.6	60.9	60.8	61.	60.6	59.6	58.9	55.8
20	67.9	67.8	67.7	67.9	67.4	67.	65.6	64.3	63.2	62.8	62.8	63.	63.5
21	67.	68.3	67.7	67.3	67.2	66.8	65.5	64.6	64.2	64.	63.6	63.7	63.1
22	64.7	65.6	65.5	66.3	66.1	65.6	65.	64.1	63.4	63.	62.6	62.7	64.4
23	65.1	66.	66.6	67.7	68.8	69.2	69.1	69.	69.4	69.	68.7	68.6	65.4
24	58.	59.	60.	61.	60.5	60.2	59.3	58.7	58.	57.7	57.1	56.9	60.3
26	59.9	60.4	61.1	63.2	61.8	60.9	60.3	60.2	61.6	62.	63.6	64.8	58.9
27	65.5	68.7	69.5	68.2	66.7	66.	66.6	67.8	65.5	64.5	63.4	62.	66.2
28	65.5	66.3	66.8	68.3	68.7	67.6	67.	67.3	66.8	67.2	69.1	70.7	66.1
29	71.5	71.2	70.8	70.3	72.3	75.	75.8	73.9	73.	72.	71.4	72.1	72.3
Means	59.9	60.8	61.6	62.2	62.4	62.3	61.8	61.2	60.7	60.3	59.8	59.3	59.2

* Twenty minutes late.

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.	h. m. 13 58	h. m. 14 04	h. m. 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Feb. 1.....	558.1	557.	558.9	973.4	974.1	974.7	41.	513.7	512.6	511.6	46.
2.....	561.8	561.6	562.2	1007.7	1009.	1008.5	52.2	642.	640.3	639.7	56.
3.....	561.3	561.6	561.7	1015.8	1016.1	1016.1	51.3	624.3	624.3	625.1	56.8
5.....	567.6	568.	567.7	998.4	999.6	998.8	45.2	531.8	532.4	532.9	49.5
6.....	565.	565.4	566.5	1011.	1010.8	1011.5	53.1	624.	626.7	629.6	58.
7.....	562.2	561.4	560.7	1020.6	1020.7	1021.3	53.2	651.3	649.	648.6	57.
8.....	569.3	569.8	569.1	1033.4	1031.8	1032.6	55.1	665.5	664.6	664.1	59.2
9.....	561.1	560.3	560.6	1002.7	1004.1	1005.4	43.7	519.	516.	517.7	48.7
10.....	561.6	561.1	560.5	984.3	985.8	986.7	38.2	458.5	453 6	452.8	43.
12.....	561.	561.6	561.3	994.3	995.	994.7	43.8	504.2	503.9	506.4	48.2
13.....	561.9	560.6	560.5	1003.4	1003.7	1003.3	47.5	561.7	561.8	562.2	52.1
14.....	559.2	559.6	561.1	1006 6	1007.6	1008.2	51.5	605.4	606.5	607.6	56.
15.....	560.3	559.4	559.2	1017.	1014.6	1014.8	51.	612.6	611.8	611.5	55.2
16.....	561.	561.1	560.6	1016.3	1015.4	1015.3	53.8	639.2	638.6	637.9	57.3
17.....	561.4	561.4	561.8	1014.7	1014.7	1016.3	54.1	654.5	655.2	655.8	59.
19.....	562.6	562.	561.6	1004.1	1004.9	1004.1	47.6	568.4	569.9	569.8	52.6
20.....	563.	562.2	562.8	1018.7	1019.3	1020.4	56.2	673.9	674.6	676.5	61.3
21.....	561.7	561.8	561.7	1014.7	1014.3	1012.9	53.9	634.6	634.4	633.9	57.8
22.....	566.3	566.4	566.6	1021.3	1021.5	1021.	58.4	714.4	713.1	711.8	62.9
23.....	564.	563.2	562.9	1026.3	1025.2	1025.5	57.2	682.8	681.8	681.3	61.
24.....	562.5	562.4	561.8	1022.8	1024.8	1023.9	55.	671.7	671.	670.4	59.6
26.....	561.1	560.6	561.3	1007.5	1005.3	1005.5	51.9	618.7	618.6	618.6	56.3
27.....	564.	563.8	563.	1028.9	1028.7	1028.3	60.8	760.5	759.3	758.4	65.8
28.....	562.9	561.9	565.2	1019.	1017.2	1016.8	57.6	723.8	725.5	726.4	65.2
*29.....	562.2	561.5	561.4	1050 7	1052.	1052.2	65.2	821.4	824.	825.7	73.8

* See disturbance observations.

Göttingen time... / Observatory time..	h. m. 6 00 0 19½	h. m. 7 00 1 19½	h. m. 8 00 2 19½	h. m. 9 00 3 19½	h. m. 10 00 4 19½	h. m. 11 00 5 19½	h. m. 12 00 6 19½	h. m. 13 00 7 19½	h. m. 14 00 8 19½	h. m. 15 00 9 19½	h. m. 16 00 10 19½	h. m. 17 00 11 19½
Mar. 1	557.6	557.4	558.7	557.3	558.3	559.2	560.1	563.3	562.5	559.1	556.4	553.1
2	557.1	558.4	560.8	551.2	565.2	563.	556.4	564.1	564.3	553.9	555.6	549.7
4	558.2	557.5	552.3	547.7	560.7	562.	564.5	557.7	554.8	562.2	557.9	557.9
5	547.6	561.4	560.7	553.6	568.7	553.5	554.3	562.4	561.2	557.9	556.6	552.7
6	564.5	553.7	554.2	556.9	559.	546.8	543.8	557.6	553.6	535.6	543.7	550.2
7	564.6	571.2	562.1	555.7	559.9	560.8	560.5	565.5	559.7	557.	552.5	551.4
8	545.	555.1	569.2	542.7	561.	562.3	564.4	564.6	568.	564.4	560.3	554.3
9	552.2	558.1	559.6	557.6	555.6	561.7	561.8	565.4	567.	569.1	565.3	559.1
11	557.8	556.4	553.5	564.	558.8	556.1	561.4	565.4	564.9	565.8	562.2	556.5
12	558.3	557.6	558.7	559 5	559.9	560.1	559.9	559.4	559 1	564.3	559.	553.4
13	561.2	558.8	559.2	560.3	561.	561.6	561.2	563.3	567.7	567.8	563.8	556.7
14	558.	559.4	561.2	561.1	559.7	557.1	562.5	563.1	564.3	564.3	558.9	555.9
15	559.	558.7	559.1	560.2	560 2	560.6	560.1	559.3	560.4	561.4	558.9	555.7
16	558.5	557.7	559.9	560.	560.9	559.7	561.8	563.	568.8	566.5	560.8	556.7
18	556.	556.5	557 7	559.9	561.	562.4	564.6	565.9	569.5	568.3	566.8	558.6
19	560.9	560.8	563.7	554.3	552.8	550.8	564.9	565.9	568.2	566.9	563.1	555.7
20	552.5	568.	560.1	560.5	560.6	560.8	560.9	565.8	563.9	562.7	558.9	552.9
21	566.1	563.6	559.	557.4	557.2	561.1	565.7	565.1	570.7	570.6	564.8	558.5
22	558.4	560.3	554.8	557.3	562.8	562.8	556.	564.3	566.9	*566.1	559.	553.7
23	559.9	560.6	560.9	562.	561.2	562.3	564.6	565.8	565.9	567.8	565.	558.7
25	557.7	559.4	560.	559.5	561.1	560.3	562 2	567.4	567.3	567.5	561.9	553.2
26	556.9	558.1	558.	558.6	559.7	560.1	562.4	565.5	563.7	562.4	559.	555.4
27	557.7	558.4	558.3	559.2	559.7	560.	561.	562.7	567.5	572.8	565.8	558.9
28	558.3	558.2	557.1	552.5	562.4	555.5	557.4	565.7	565.1	561.4	556.6	552.8
29	562.9	564.3	567.	567.9	555.	562.2	564 9	566.8	564.	566.6	557.	555.4
30	518.1	591.6	581.7	543.7	576.8	577.4	544.9	558.8	566.8	557.6	563.2	551.2
Means	556.3	560.8	560.5	556.9	560.7	560.	560.1	563.6	564.	563.1	559.7	554.9

NOTE.—See disturbance obeservations from 1st to 8th, and on the 29th and 30th.

* One minute late.

DECLINATION MAGNETOMETER—Continued.

n time ory time	A. m. 18 00 12 19½	A. m. 19 00 13 19½	A. m. 20 00 14 19½	A. m. 21 00 15 19½	A. m. 22 00 16 19½	A. m. 23 00 17 19½	A. m. 0 00 18 19½	A. m. 1 00 19 19½	A. m. 2 00 20 19½	A. m. 3 00 21 19½	A. m. 4 00 22 19½	A. m. 5 00 23 19½	Means.
Mar. 1	549.7	550.1	551.9	553.8	554.8	554.5	555.	553.1	553 6	554.7	556.3	556.9	556.2
2	548.3	547.2	547.4	544.5	552.9	540.2	551.7	571.8	553.8	560.3	576.7	555.3	556.8
4	547.9	545.9	550.3	554.5	551.9	569.9	556.3	557.5	567.3	567.3	575.3	563.7	558.4
5	547.8	546.7	551.6	554.6	550.6	566.7	556.7	573.3	576.4	569.5	573.4	576.1	559.8
6	548.8	546.6	550.5	555.5	557.2	557.	553.6	560.7	558.4	558 1	559.5	563.3	553.7
7	547.	550.3	543.2	*551.3	556 8	573.2	562.3	564.2	561.2	583.3	583.2	563.	561.6
8	549.3	546.4	551.5	551.9	567.4	557.8	558.9	558.6	587.7	566.6	560.	556.2	559.3
9	554.6	555.9	552.7	551.8	552.9	557.3	557.6	562.3	558.1	556.6	559.7	564.4	559.
11	554.2	551.	552.	551.8	550.9	553.5	552.9	556.4	558.	558.9	557.7	558.2	557.6
12	547.4	549.8	548.7	553.2	554.	553.7	561.6	555.4	559.6	556.6	558 3	559.1	556.9
13	553 6	555.2	554.5	555.6	554.	555.4	555.7	556.9	558.	557.5	557.5	557.6	558.9
14	553.5	553.9	554.1	552.6	553.3	554.4	555.	554.5	555.5	557.1	557.	559.1	557.7
15	553.4	552.	554.3	556.4	556.8	557.3	556.9	556.7	557.	557.3	556.6	557.1	557.7
16	553.2	553.6	554.3	557.2	556.9	558.	557.8	557.4	556.3	558.5	557.6	557.3	558.9
18	550.4	547.	546.1	549.1	558.4	550.9	554.1	556.8	558.7	558.9	564.4	561.4	558.1
19	550.	546.3	545.	550.1	553.1	556.1	558.1	556.	557.8	557.6	559 3	570.6	557.8
20	548.8	547.6	547.8	549.3	552.3	557.4	560.6	560.9	559.1	557.3	558.3	559.	557.7
21	553.2	549.8	548.	550.4	550.	555.4	555.2	557.1	557.6	556.5	556.9	559.8	556.1
22	549.1	546.	545.9	546 4	551.9	553.9	556.4	556.7	556 9	556.9	558.2	561.5	556.8
23	554 1	552.3	551.1	552.3	552.9	555.	555.4	558.1	557.2	557.4	558.6	557.	559.
25	548.5	547.5	546.8	545.5	550.6	552.4	555.5	558.	557.3	556.8	559.	558.4	557.3
26	551.6	551.2	550.2	550.5	552.	555.	555.6	553.9	556.	556.9	557.5	556.9	557.
27	552.	544.5	545.1	546.3	550.2	552.5	554.6	555.9	557.8	556.1	557.8	558.6	557.0
28	547.8	545.5	545.9	551.5	553.7	555.9	556.2	558.	558.6	557.6	558.2	560.5	556.7
29	552.	551.	552.	548.1	542.	543.	538.1	553.9	602.3	578.3	577.6	565.8	560.4
30	542.3	550.5	548.	550.	551.1	564.2	559.3	557.2	555.2	574.6	560.2	560.6	559.2
Means	550.2	549.4	549.6	551.7	553.1	556.2	555.9	559.	561.9	561.	562.2	560.7	555.

* One minute soon.

Göttingen time... / Observatory time..	h. m. 6 02 / 0 21½	h. m. 7 02 / 1 21½	h. m. 8 02 / 2 21½	h. m. 9 02 / 3 21½	h. m. 10 02 / 4 21½	h. m. 11 02 / 5 21½	h. m. 12 02 / 6 21½	h. m. 13 02 / 7 21½	h. m. 14 02 / 8 21½	h. m. 15 02 / 9 21½	h. m. 16 02 / 10 21½	h. m. 17 02 / 11 21½
Mar. 1	1054.4	1053.1	1057.3	1051.6	1049.	1048.6	1050.3	1052.7	1055.9	1056.8	1057.4	1058.4
2	1055.4	1055.7	1050.7	1053.9	1041.3	1047.2	1042.3	1048.6	1063.	1050.5	1052.7	1060.6
4	1058.3	1059.	1054.4	1055.4	1043.	1042.4	1042.5	1046.6	1053.7	1073.7	1061.	1048.5
5	1027.9	1027.3	1025.9	1034.3	1036.8	1052.4	1047.	1044.	1049.9	1052.	1033.3	1038.3
6	1051.7	1044.9	1043.4	1041.4	1039.6	1050.1	1068.4	1041.3	1052.8	1101.	1065.3	1077.9
7	1066.7	1059.7	1069.5	1068.8	1059.7	1062.	1046.9	1051.4	1061.	1088.5	1088.6	1078.9
8	1061.	1050.7	1070.1	1083.7	1068.7	1055.	1053.8	1063.2	1072.3	1071.3	1082.2	1083.5
9	1071.5	1075.4	1079.3	1075.3	1069.5	1074.9	1063.7	1058.9	1057.8	1068.5	1073.4	1079.6
11	1035.6	1036.9	1033.4	1036.9	1043.9	1034.8	1036.8	1042.9	1043.	1050.5	1053.	1064.
12	1046.8	1043.6	1037.1	1036.5	1036.5	1041.2	1047.	1058.4	1053.2	1058.3	1055.1	1073.5
13	1064.8	1060.8	1062.6	1063.	1063.3	1061.3	1059.7	1064.9	1071.5	1072.4	1075.8	1078.7
14	1065.3	1065.2	1063.4	1059.9	1056.7	1050.1	1049.	1046.6	1053.9	1058.7	1059.4	1057.6
15	1044.2	1042.9	1033.	1036.7	1038.4	1037.	1038.5	1047.1	1049.1	1049.1	1051.6	1057.5
16	1037.	1034.2	1032.5	1036.9	1036.5	1034.	1036.5	1041.1	1045.6	1056.2	1056.2	1057.9
18	1038.2	1035.9	1034.5	1034.8	1032.5	1030.3	1030.	1029.1	1034.2	1039.2	1045.9	1049.2
19	1017.5	1018.7	1021.7	1017.5	1023.3	1007.2	1010.3	1015.2	1026.3	1033.1	1037.	1040.
20	1038.1	1028.9	1033.6	1031.8	1027.3	1032 5	1035.3	1038.8	1044.4	1050.4	1055.	1054.5
21	1039.	1050.4	1046 7	1047.6	1036.	1036.	1033.7	1036.1	1036.1	1040.4	1046.3	1050.
22	1019.7	1022.4	1020.5	1009.1	1008.2	1005.5	1018.5	1007.3	1013.8	1025.6	1033.8	1040.4
23	1031.7	1032.8	1032.4	1031.6	1026.7	1026.4	1022.4	1024.6	1024.3	1029.1	1040.2	1042.4
25	1024.8	1018.8	1018.9	1018.2	1016.3	1020.6	1025.3	1029.5	1029.1	1034.4	1045.1	1053.6
26	1050.5	1049.3	1048.7	1047.9	1047.8	1043.7	1044.2	1044.3	1047.9	1050.	1050.3	1054.8
27	1055.4	1054.5	1051.3	1044.2	1043.5	1040.4	1046.6	1050.5	1048.7	1054.	1050.9	1052.8
28	1050.6	1048.3	1043.5	1046.1	1049.3	1051.4	1045.7	1047.1	1054.2	1053.3	1063.6	1058.1
29	1060.9	1057.	1051.6	1056.4	1081.8	1038.	1054.	1067.	1071.2	1075.	1082.1	1090.2
30	1110.5	1115.5	1104.4	1068.8	1062.6	1080.2	1093.9	1059.9	1083.7	1097.7	1104.9	1086.7
Means	1049.1	1047.8	1046.9	1045.7	1043.8	1042.4	1043.9	1044.5	1049.9	1057.3	1058.5	1061.1
Reduced to 32° F.	985.	983.5	982.8	981.9	980.2	979.	980.9	981.9	986.7	993.7	995.3	997.3

NOTE.—See disturbance observations from 1st to 8th, and on the 29th and 30th.

Göttingen time.. Observatory time.	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.	Reduced to 32° F.
Mar. 1.....	1062.6	1053.8	1054.5	1054.9	1064.1	1067.1	1061.9	1062.3	1056.8	1064.3	1063.3	1062.7	1057.2	978.4
2.....	1066.9	1065.1	1060.6	1061.1	1088.7	1106.4	1079.9	1069.	1060.3	1073.7	1062.4	1065.1	1061.7	987.1
4.....	1053.	1058.6	1075.6	1043.8	1058.5	1031.6	1028.5	1033.3	1051.2	1034.5	1019.8	1033.	1048.3	991.2
5.....	1049.1	1054.3	1061.	1045.1	1062.9	1074.1	1070.	1070.1	1081.5	1075.1	1056.2	1022 2	1049.6	990.6
6.....	1070.	1078.7	1064.8	1053.8	1054.5	1055.4	1066.7	1072.3	1063.3	1059.	1060.2	1048.7	1059.4	995.8
7.....	1101.8	1084.2	1074.9	*1078.2	1065.2	1073.8	1097.8	1084.1	1074.3	1087.1	1058.1	1085 7	1073.6	1004.7
8.....	1086.6	1090.5	1074.	1061.1	1070.5	1067.9	1068.	1067.1	1059.	1068.9	1077.7	1073.6	1070.1	998.5
9.....	1088.6	1074.	1066.5	1073.9	1074.7	1067.9	1063.7	1068.7	1066.	1059.6	1071.1	1055.3	1069.9	993.5
11.....	1069.2	1067.4	1062.5	1047.8	1054.5	1064.4	1062.4	1061.2	1056.6	1054.6	1052.6	1047.	1050.5	984.6
12.....	1080.8	1080.	1075.6	1074.9	1070.3	1075.4	1069 8	1063.7	1065.	1065.8	1065.9	1064.4	1059.9	990.2
13.....	1079.9	1071.9	1070.8	1065.8	1064.4	1055.1	1055.	1057.2	1063.7	1063.4	1064.4	1062.5	1065 5	983.4
14.....	1058.7	1057.6	1053.2	1042.6	1037.1	1053.1	1047.8	1051.4	1055.	1054.	1043.2	1048.6	1053.7	978.7
15.....	1057.	1051.6	1043.1	1036.9	1035 9	1036.7	1040.1	1033.7	1034.2	1035.3	1035.6	1035.9	1041.7	978.1
16.....	1053.6	1049.1	1041.5	1033.4	1033.6	1034.7	1032.8	1030.	1029.5	1033.	1033.	1035.2	1039.3	978.8
18.....	1049.7	1051 5	1038 9	1043.6	1037.2	1033.	1021.	1019.9	1012.3	1017.1	1019.7	1023.5	1033.5	976.
19.....	1042.5	1033.3	1033.	1020.2	1015.1	1018.9	1018.1	1024.3	1021.5	1022.7	1030.	1019.2	1023.6	979.5
20.....	1055.2	1049.3	1034.8	1034.1	1037.6	1043.4	1044.6	1039.4	1039.9	1040.6	1041.6	1042.9	1040.6	981.4
21.....	1044.8	1035.1	1027.7	1023.6	1024.8	1025.4	1022.8	1020.7	1022.2	1026.	1028.2	1020.9	1031.2	978.1
22.....	1045.5	1044.	1037.	1028.6	1025.8	1031.5	1026.5	1025.6	1028.3	1031.6	1031.4	1033.	1025.6	976.9
23.....	1040.1	1026.3	1024.5	1020.5	1018.2	1020.2	1020,3	1024.4	1025.7	1022.8	1025.	1019.6	1027.2	974.7
25.....	1056 5	1055.2	1059.	1053.	1051.4	1052.	1055.7	1054.2	1059.9	1062.	1060.4	1057.2	1042.1	979.1
26.....	1061.8	1060.3	1054.1	1049.8	1046.	1047.3	1047.3	1050.	1046.9	1049.1	1051.	1054.8	1049.9	978.7
27.....	1074.	1085.7	1069 8	1054.1	1066.7	1055.9	1055.2	1077.5	1068.6	1057.6	1054.4	1056.8	1057.	988.1
28.....	1055.5	1064.4	1063.4	1048.5	1048.	1051.6	1055.5	1053.2	1054.3	1058.4	1063.5	1059 2	1053.6	990.2
29.....	1084.3	1077.2	1058.1	1056.4	1080.2	*1109.5	*1118.2	*1126.4	1088.	1113.8	1139.4	1125.1	1081.7	1007.8
30.....	1127.	1116.6	1085.1	1081.8	1080.7	1061.	1071.1	1064.1	1081.1	1060.9	1067.6	1070.1	1084.8	1026.8
Means.....	1066.	1062.9	1056.3	1049.6	1052.6	1054.3	1054.	1054.	1052.5	1053.5	1052.9	1050.9	1052.1	
Reduced to 32° F.	1001.9	998.	990.6	983.9	986.7	988.1	988.3	987.8	985.7	986.5	986.5	985.6		987.4

* One minute soon.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time...	6 02	7 02	8 02	9 02	10 02	11 02	12 02	13 02	14 02	15 02	16 02	17 02
Observatory time..	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
Mar. 1.....	67.8	68 7	67.8	66.8	67.4	68.	68.6	68.6	68.3	69.1	70.	70.2
2.....	67.	66.4	65.8	65.1	65.4	66.2	66.3	66.4	67.5	70.1	70.1	70.
4.....	59.6	60.2	61 6	62.9	63.4	63.4	64.	65.	63.3	62.8	61.3	59.3
5.....	55.8	57.7	58.7	60.	61.3	61.9	60.	58.8	59.	58.4	59.1	60.5
6.....	57.8	58.5	58.8	59.2	58.4	58.2	58.9	60.	61.6	63.7	65.2	65.
7.....	64.3	64.4	64.8	64.9	64.5	63.9	63.1	62.7	62.8	63.2	63.1	63.
8.....	65.4	65.2	65.2	64.8	64.2	63.9	64.1	64.	65.3	67.1	67.8	66.9
9.....	72.2	71.	69.5	68.1	66.7	65.6	64.7	63 9	64.3	66.7	68.3	69.
11.....	58.5	59.7	61.	61.6	61.8	61.9	62.4	63.3	65.1	67.4	66.4	67.8
12.....	58.1	57.3	57.8	59.3	61.5	64.1	66.2	66.9	68.6	66.5	64.4	66.9
13.....	69.3	71.2	72.2	71.4	70.5	69.9	69.6	69.5	70.	69.7	69.4	69.8
14.....	73.2	73.	71.5	70.	68.5	67.	65.9	65.6	66.	65.5	65.3	65.5
15.....	64 7	63.9	63.2	63 2	63.	62.7	62 2	62.7	62.4	62.9	63.8	63.2
16.....	60	60.	61.	61.6	62.	61.8	61.3	61.2	62.	62.5	62.1	61.9
18.....	64.2	63 9	64.1	64.8	63.4	62.6	61.2	60.2	60.7	60.1	59.4	58.9
19.....	52.1	51.8	52.1	51.7	51.7	52.7	53.2	53.8	55.1	53.6	51.9	51.2
20.....	55.2	56.5	57.9	58.7	59.5	59 6	58.2	56 9	57.4	58 4	58.3	58.2
21.....	67 2	66.4	65.2	64.4	63.9	63.1	61.8	59.8	58.5	57.5	56.1	55.1
22.....	53.8	53.4	52.7	51.6	51.1	51.2	51.	51.2	51.7	51.8	51.8	52.7
23.....	60.5	59.8	59.1	57.5	57.	56.8	56.4	55.7	55.5	55.5	55.1	55.
25.....	54.1	54.2	55.2	56.7	58.2	59.8	59.7	59.8	58.4	58.5	58.9	60.1
26.....	66.8	67.3	67.1	66.5	65.7	64.8	64.7	64.1	63.9	64.1	63.6	64.6
27.....	67.3	66.6	65.8	65.4	65.8	66 8	67.4	67.	66.7	63.8	63.3	64.7
28.....	59.5	59 5	59.8	59.1	59.6	59.8	59.5	59.1	58.7	58.5	58.4	58.5
29.....	66.1	65.4	65.8	64.8	64.7	64.3	64.1	64.7	65.4	66.2	67.	67.8
30.....	65.3	64.8	63.	61.1	59.4	58.3	57.	56.	55.4	56.2	55.1	56.
Means.....	62.5	62.6	62.5	62.4	62.3	62.2	62.	61.8	62.1	62.3	62.1	62.4

THERMOMETER OF HORIZONTAL FORCE MAGNETOMETER (Continued)

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Means
Mean time.....	18 02	19 02	20 02	21 02	22 02	23 02	0 02	1 02	2 02	3 02	4 02	5 02	
Observatory time.....	12 21½	13 21½	14 21½	15 21½	16 21½	17 21½	18 21½	19 21½	20 21½	21 21½	22 21½	23 21½	
Mar. 1.....	70	70.3	71.7	71.8	71.7	71.3	.0	70.4	70.2	70.2	70.1	69.1	69.
2.....	69.4	68.8	68.2	67.7	67.4	67.1	66.8	66.6	67	66.3	66.3	66.3	67.
4.....	60	60.2	60.6	58.1	57	56.7	56.2	54.3	53.9	53.1	53.1	53.4	56.
5.....	60.8	61.2	62.5	62.9	61.5	61.8	60.3	60.2	61.4	60.3	60.3	60.4	61.
6.....	64.3	63.9	64.6	63.5	63.4	63.7	64	64	64.4	64.6	64.3	64.3	64.
7.....	62.9	64.6	65.9	66.6	66.9	66.8	66.9	66.3	66.1	66.1	66.7	66.3	66.
8.....	66.1	65.7	65.2	64.9	64.7	64.4	63.1	63.3	62.3	61.4	61.6	62.4	64.
9.....	59.2	60.4	60.5	60.5	60.5	60.3	59.3	59.2	59.2	59.4	59.	59.4	60.
11.....	65.6	66.1	64.3	64.5	64.6	65.6	65.3	64.4	64.3	64.1	64.1	64.4	64.
12.....	69.5	69.9	68.6	67.4	66.9	66.7	66.3	66.4	66.3	66.1	66.1	66.3	66.
13.....	70.1	70.7	71.5	71.4	71.9	71.6	71.6	71.1	70.6	70.6	70.6	70.6	71.
14.....	66.2	67.	67.6	67.3	67.6	67.9	68.		68.9	69.1	69.1	69.1	68.
15.....	62.5	61.9	63.7	63.9	63.8	61.5	60.6	60.4	61.4	60.4	60.4	60.4	61.
16.....	61.1	60.6	60.1	60.	59.6	59.	58.6	58.4	58.4	58.1	58.1	58.1	59.
18.....	59.	59.	57.6	56.4	55.	54.9	54.3	54.4	54.1	53.	53.3	53.4	55.
19.....	50.9	50.9	51.3	51.7	52.6	53.4	54.1	53.	53.1	53.4	53.4	53.4	52.
20.....	58.1	58.1	58.7	59.9	60.9	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.
21.....	54.3	55.	55.4	55.9	55.9	55.7	55.7	55.9	56.4	56.3	56.3	56.3	56.
22.....	53.7	55.3	55.6	56.	56.7	56.9	56.9	56.9	56.9	56.4	56.3	56.3	56.
23.....	55.5	56.9	57.1	57.3	56.9	56.9	56.7	56.	56.	56.	56.	56.	56.
25.....	61.1	62.5	63.9	65.6	67.	66.3	66.1	66.9	66.9	66.9	66.9	66.9	65.
26.....	64.9	65.1	65.3	65.6	66.1	66.4	66.7	66.9	67.	66.9	66.9	66.9	66.
27.....	64.1	65.8	65.6	66.	65.9	64.9	63.6	63.9	64.1	64.1	64.1	64.1	64.
28.....	59.8	61.3	63.6	65.6	66.	65.7	65.8	66.3	67.4	66.6	66.3	67.	64.
29.....	67.4	67.7	68.8	68.6	69.6	*69.7	69.6	69.6	70.4	70.9	69.4	69.4	68.
30.....	57.7	59.1	60.	61.1	62.	62.3	61.9	60.8	60.	60.	60.	60.	60.
Means.....	62.5	62.9	63.3	63.9	63.4	63.5	63.0	62.8	62.8	62.6	62.5	62.5	63.

* One minute mean.

Göttingen time...	*h. m.* 6 04	*h. m.* 7 04	*h. m.* 8 04	*h. m.* 9 04	*h. m.* 10 04	*h. m.* 11 04	*h. m.* 12 04	*h. m.* 13 04	*h. m.* 14 04	*h. m.* 15 04	*h. m.* 16 04	*h. m.* 17 04
Observatory time .	0 23½	1 23½	2 23½	3 23½	4 23½	5 23½	6 23½	7 23½	8 23½	9 23½	10 23½	11 23½
Mar. 1.....	832.7	847.2	846.1	830.	829.6	839.2	850 4	855.5	852.2	857.3	866.1	871.4
2.....	811.7	801.1	791.9	724.2?	790.7	799.1	804.1	810.1	823.8	848.5	863.	862.8
4.....	687.	688.5	711.5	740.1	749.1	755.9	768.7	789.2	783.9	774.2	754.6	749.4
5.....	676.2	720.	744.4	785.5	803.3	816.9	795.5	773.1	761.4	745.4	753.3	775.1
6.....	696.6	697.5	707.1	719.5	719.	717.6	727.1	738.	756.7	781.8	807.6	809.7
7.....	822.4	811.8	804.	811.	812.2	803.6	794.	785.8	778.7	778.7	772.4	762.7
8.....	804 9	795.	796.7	798.2	787.8	770.1	769.3	772.5	784.9	807.8	849.2	843.9
9.....	907.7	892.3	859.9	830.	802 9	779.5	761.2	748.2	757.8	779.	815.2	837.5
11.....	714.6	725.	747.2	769.7	774.7	781.	788.2	799.	819.1	852.2	854.2	855.
12.....	675.5	665.5	671.1	696.7	737.2	786 2	835.7	859.1	880.9	893.9	848.6	836.3
13.....	858.2	886.	916.2	915.4	901.3	894.3	875.5	871.4	870 7	878.9	870.7	864.1
14.....	919.4	919.	907.9	890.1	869 4	848.8	830.9	814.8	810.8	812.7	805.5	801.8
15.....	803.7	791.7	781.2	780.2	777.4	773.7	768.9	768.6	766 8	774.6	787.9	793.5
16.....	739.9	734.6	745.1	761.7	773.3	776.8	774.3	772.9	775.8	782.3	780.8	776.6
18.....	801.4	790.4	792.4	803.5	803.2	793.	796.9	762.3	756.2	749.1	741.	731.6
19.....	663.	662.2	667.1	660.2	663.9	679.9	677.2	683.	689.9	682.5	660.1	639.
20.....	664.1	686.7	707.1	726.	740.8	743.	733.1	712.2	700.3	708.	707.6	702.1
21.....	832.7	834.6	821.	812.4	809.8	801.2	788.3	765.3	745.	726.1	707.8	687.8
22.....	654.3	643.7	636.1	628.4	621.3	621.5	619.7	619.8	618.2	630.1	621.1	625.6
23.....	750.	741.9	731.4	714.4	701.7	694.	687.6	682.6	675.1	672.7	668.6	663.7
25.....	626.9	627.1	638.9	660.1	687.3	715.5	731.1	726.1	713.	710.	710 6	750.4
26.....	818.	822.1	825.4	825.1	820.1	809.9	806.1	798.6	791.3	790.5	788.8	788.1
27.....	831.1	818.8	807.2	802.	801.5	811.4	825.6	827.4	823.6	821.4	794.8	792.4
28.....	731.	725.4	725.	724.1	729.1	736.5	736.8	731.6	726.	723.9	720.	718.1
29.....	828.1	814.4	807.9	805.3	805.5	808.3	736.	796.2	799.9	805.7	814.	820.9
30.....	872.7	837.	824.	801.	763.5	744.4	721.	699.5	681.4	669.8	663.	669.3
Means.....	770.1	768.4	769.8	769.8	772.1	773.1	771.7	767.8	767.1	771.	770.2	770.3
Reduced to 32° F.	301.7	295.9	297.3	294.6	298.3	300.6	301.9	299.4	291.9	295.8	299.1	300.5

NOTE.—See disturbance observations from 1st to 8th, and on the 29th and 30th.

Göttingen time.. Observatory time.	h. m. 6 04 0 23½	h. m. 7 04 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
Mar. 1.....	73.5	74.5	72.4	72.	73.2	74.2	74.6	74.2	74.1	75.1	76.	70.7
2.....	70.3	69.9	69.1	69.	70.3	71.3	71.1	71.7	73.9	75 9	75.2	74.1
4.....	62.3	64.	66.	67.2	68.9	68.1	69.5	70.7	68.3	67.8	65.6	64.1
5.....	64.1	65.7	67.1	69.5	70.9	68.	67.	66.5	66.4	65.5	67.7	69.1
6.....	63.	64.1	64.8	65.2	64.2	64.5	65.3	67.	68.9	71.	72.	70.3
7.....	69.7	70.2	71.1	71.3	71.1	69.9	69.1	68.7	69.1	69.	68.2	67.7
8.....	69 8	69.8	69.5	68.5	68.	68.2	68.2	69.	70.9	72.8	72.6	70.9
9.....	76.	73.7	71.7	69.8	68.	67.	66.	65.4	67.	70.8	72.1	73.7
11.....	63 2	65.2	67.1	67.5	67.7	67.9	68.7	70.2	72.6	74.3	72.8	73.4
12.....	60.1	60.	62.	65.2	68.	71.3	73.4	74.4	76.3	73.1	70.8	73.7
13.....	75.	78.	78.2	76.2	74.9	74.	74.	73.4	75.1	74.9	73.2	73.5
14.....	78.	77.	75.5	73.5	72.1	71.	69.9	70.	70.2	69 5	69.4	69.8
15.....	68.	67.3	67.	67.4	67.1	66.6	66.2	66.9	66.7	67.9	68.9	67.8
16.....	64.	64.6	66.1	66.8	67.6	66.9	66.5	66.8	67.9	67.9	67.1	66.4
18.....	67.5	67.7	68.7	69.5	67.6	67.	65.4	65.2	65.2	64.3	63.5	63.9
19.....	58.4	59.	58.5	58.1	58.4	60.	60.5	60.9	61.2	58.8	56.5	55.8
20.....	60.2	62 4	63.2	64.9	65.5	64.9	62.4	61.1	62.7	62.8	62.3	61.9
21.....	72.2	70.6	69.9	69.5	69.4	68.7	67.3	65.	64.	62.7	61.1	59.9
22.....	57.8	57.6	57.4	56.	55.9	56.2	55.9	56.3	56.5	56.4	56.6	57.9
23.....	65.1	64.2	63.2	61.4	61.2	61.	60.4	59.9	59.7	59.6	59.3	59.2
25.....	56.	56.7	58.2	60.2	62.3	64.	63.2	61.9	61.4	61.3	62.1	62.5
26.....	69.8	70.8	70.4	69 8	68.9	68.3	68.3	67.4	67 7	67.9	67.8	68.2
27.....	69.8	69.	68.2	68.	69.	70.3	70.7	70.1	69.9	67.3	67.1	68.6
28.....	62.5	63.	63.	62.3	63.8	63.9	63.2	62 8	62.4	62.2	61.9	62.3
29.....	69.2	68.4	68.	68.3	68.	67.9	68.	68.5	69.	69.6	70.2	70.9
30.....	69.	68.5	66.8	69.7	63.1	62.	60.5	59.7	59.1	58.8	59.	60.6
Means.....	66.7	67.	67.	67.2	67.1	67.	66.8	66.7	67.2	67.2	66.9	66.8

Göttingen time..... Observatory time.....	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.
Mar. 1.....	74.8	76.	77.6	76.2	75.3	74.4	73.5	73.4	73.5	73.5	72.4	71.2	74.
2.....	73.3	73.6	71.2	70.7	70.3	70.1	69.6	69.6	71.	72.6	72.6	71.6	71.6
4.....	66.1	67.9	65.7	63.9	63.3	63.3	61.7	59.3	57.	56.5	57.2	60.1	64.2
5.....	69.3	70.1	71.8	70.6	68.	67.	66.2	66.6	67.3	65.2	63.	62.1	67.3
6.....	69.6	69.2	68.9	68.3	67.8	68.4	68.3	68.8	69.3	70.2	71.4	70.5	68.
7.....	67.5	69.	71.8	72.	71.3	71.	71.	71.9	71.4	71.2	69.5	69 7	70.1
8.....	69.6	68.8	68.1	67.7	67.1	67.	68.4	69.3	71.3	74.4	77.1	77.9	70.3
9.....	73.9	73.9	73.8	73.3	73.1	72.	73.1	74.3	74.5	73.7	73.3	73.6	71.6
11.....	70.	70.7	68.9	67.3	68.4	68 6	67.9	66.3	65.3	64.	62.5	61.3	66.
12.....	76.3	75.	73.5	70 7	69.3	68.4	68.7	69 4	71.	72.	72.7	73.3	70.3
13.....	74.	75.	75.4	74.3	74.3	74.5	74.3	75.1	77.6	78.	77.3	77.3	75.3
14.....	70.	71.8	71.9	71.3	71.1	71.3	71.4	71.4	71.4	71.	70.3	69.	71.6
15.....	66.5	66.4	67.5	67.2	66.2	66.	64.1	64.8	65.8	64.9	64.7	65.	65.5
16.....	65.1	64.5	64.	63.8	63.	63.3	61.8	62.3	64.	65.9	66.	65.6	65.3
18.....	63.1	62.4	61.9	60.5	59.6	58.4	58.3	58.	56.9	58.	59.1	59.7	62.9
19.....	54 8	55.1	55.5	56 3	56.7	57.3	58.6	59.3	59.	59.7	59.	59.	58.3
20.....	61.3	61.2	62.3	63.3	64.3	65.5	67.9	69.3	69.9	69.8	70.3	71.4	64.6
21.....	59.3	60.1	60.	59.4	59.3	59.9	60.3	61.	63.3	63.	60.	58.9	63.4
22.....	59.	60.3	60.2	60.3	61.9	64.1	65.	65.4	65.6	64.6	64.4	65.3	59.9
23.....	60 3	61.8	61.	60 5	60.2	59.9	60.6	62.	62.3	62.1	60.3	59.5	61.
25.....	64.7	66.5	67.	68.1	69.0	70.5	70.9	71.1	72.1	71.6	70.6	69.6	65.1
26.....	67.9	68.3	68.3	68 4	68.8	69.1	69.	68.9	70.1	71.5	71.7	70.9	69.1
27.....	67.7	70.3	68.8	68.9	68.3	67.6	66.3	65.3	65.3	65.	64.3	63.4	67.9
28.....	63.0	65.6	68.5	70.	69.8	69.3	69.3	70.4	72.3	72.9	72.1	70.3	66.1
29.....	70.	70.8	71.9	72.4	72.8	72.4	72.1	72.	74.6	74.	71.5	69.9	70.5
30.....	68.	64.5	65.4	65.6	67.7	67.4	65.7	63.6	64.6	65.1	65.5	65.9	64.3
Means.....	66.9	67.6	67.6	67.3	67.3	67.1	67.1	67.3	67.9	68.1	67.6	67.4	67.3

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Mar. 1.....	563.6	562.5	560.5	1056.6	1055.9	1055.3	68.3	852.5	852.2	852.1	74.1
2.....	563.7	564.3	566.3	1059.	1063.	1069.8	67.5	822.4	823 8	825.4	73.9
4.....	564.9	554.8	556.5	1051.6	1053.7	1053.9	63.3	785.1	783.9	782.1	68.3
5.....	563.7	561.1	558.	1047.5	1049.9	1058.6	59.	763.5	761.4	759.6	66.4
6.....	553.6	553.6	553.5	1053.4	1052.8	1055.	61.6	754.4	756.7	759.1	68.9
7.....	560.6	559.7	559.5	1060.2	1061.	1063.6	62.8	779.	778.7	778.6	69.1
8.....	566.2	568.	567.5	1070.2	1072.3	1070.	65.3	782.8	784.9	785.8	70.9
9.....	567.2	567.	567.5	1059.1	1057.8	1058.8	64.3	746.8	757.8	749.6	67.
11.....	565.6	564.9	565.1	1042.6	1043.	1042.	65.1	816.6	819.1	821.2	72 6
12.....	558.6	559.1	558.5	1056.2	1053.2	1058.5	68.6	878.6	880.9	883.	76.3
13.....	566.4	567.7	567.6	1069.7	1071.5	1070.6	70.	869.7	870.7	872.1	75.1
14.....	563.8	564.3	563.7	1054.5	1053.9	1056.4	66.	810.8	810.8	810.7	70.2
15.....	561.4	560.4	560.5	1052.	1049.1	1047.9	62.4	766.8	766.8	767.1	66.7
16.....	568.1	569.8	568.9	1044.8	1045.6	1046.2	62.1	775.8	775.8	776.4	67.9
18.....	569.2	569.5	569.6	1033.1	1034.2	1037.9	60.7	756.6	756.2	755.8	65.2
19.....	568.9	568.2	567.6	1024.3	1026.3	1021.7	55.1	689.7	689.9	690.	61.2
20.....	563.7	563.9	563.6	1043.6	1044.4	1045.2	57.4	700.1	700.3	700.5	62.7
21.....	569.7	570.7	570.4	1035.2	1036.1	1036.2	58.5	746.6	745.	742.9	64.
22.....	567.1	566.9	566.5	1011.3	1013.8	1010.5	51.7	618.5	618.2	618.	56.5
23.....	565.8	565.9	565.8	1024.	1024.3	1025.1	55.5	675.8	675.1	674.7	59.7
25.....	565.9	567.2	567.3	1030.7	1029.1	1031.3	58.4	714.5	713.	711.9	61.4
26.....	564.	563.7	564.	1046.9	1047.9	1047.8	63.9	791.8	791.3	791.	67.7
27.....	567.3	567.5	567.9	1048.2	1048.7	1046.	66.7	823.9	823.6	823.5	69.9
28.....	563.8	565.1	565.	1054.2	1054.2	1051.7	58.7	726.5	726.	725.4	62.4
29.....	564.2	564.	564.7	1071.9	1071.2	1073.3	65.4	799.1	799.9	800.2	69.
30.....	564.9	566.8	568.5	1081.7	1083.7	1088.4	55.4	682.9	681.4	676.2	59.1

Göttingen time Observatory time	*h. m.* 18 00 12 19½	*h. m.* 19 00 13 19½	*h. m.* 20 00 14 19½	*h. m.* 21 00 15 19½	*h. m.* 22 00 16 19½	*h. m.* 23 00 17 19½	*h. m.* 0 00 18 19½	*h. m.* 1 00 19 19½	*h. m.* 2 00 20 19½	*h. m.* 3 00 21 19½	*h. m.* 4 00 22 19½	*h. m.* 5 00 23 19½	Means.
April 1	546.1	544.8	550.5	547.9	556.1	553.7	553.7	561.7	562.8	580.5	558.5	556.4	556.3
2	547.5	549.1	548.	549.3	549.1	554.3	554.3	554.5	554.2	558.2	576.7	566.3	557.1
3	535.5	543.3	547.1	548.6	554.	555.2	559.8	556.3	557.	565.7	573.7	565.4	554.2
4	553.4	548.1	546.4	546.8	548.9	552.1	562.8	556.3	560.7	563.9	560.2	564.4	557.6
5	551.	546.9	544.8	547.7	551.4	553.9	554.9	580.5	555.7	570.	568.1	566.	561.2
6	554.6	550.7	546.6	546.7	557.9	555.9	554.	558.6	562.9	560.9	567.3	567.1	558.8
8	556.6	552.1	548.2	548.9	550.1	553.1	554.2	554.	565.4	555.5	557.2	557.1	557.4
9	563.6	550.2	547.6	546.5	547.6	550.	552.1	552.9	554.4	554.1	555.	555.3	556.1
10	549.1	544.2	555.	549.5	552.5	553.9	556.	550.	553.7	554.5	557.8	555.2	556.1
11	547.9	545.7	548.3	551.9	552.6	554.2	555.9	555.1	554.2	553.8	554.4	562.5	555.6
12	543.5	544.	553.2	551.9	552.	558.1	558.2	557.	557.6	558.4	557.4	557.9	555.4
13	548.2	548.2	543.2	548.8	549.2	555.3	555.2	554.6	554.8	556.1	554.6	554.8	557.4
15	545.6	546.2	546.5	548.	552.2	553.2	553.4	553.2	555.4	554.5	554.	553.3	555.2
16	542.5	543.9	548.6	552.	554.5	558.2	557.4	555.2	563.7	563.	558.4	566.	556.8
17	534.7	533.	530.9	536.2	545.2	539.8	540.6	546.9	545.2	550.2	554.9	553.7	554.9
18	550.8	547.2	546.8	547.3	545.9	553.9	550.6	551.	553.1	552.8	553.1	554.3	555.9
19	545.2	543.6	544 6	546.5	549.9	552.5	553.9	553.7	555.3	555.1	554.4	555.9	554.
20	550.7	549.1	547.4	549.9	553.1	555.7	556.3	555.9	555.5	556.	556.6	556.5	556.4
22	548.2	546.3	548.	549.7	552.9	555.2	556.	556.1	556.2	556.9	556.7	556.9	556.
23	551.8	549.8	545.	545.9	546.2	548.4	548.8	549.3	550.	550.4	556.2	552.2	554.8
24	546.2	544.4	549.3	551.3	550.1	550.7	551.1	550.8	550.7	549.7	550.2	558.4	553.7
*25	541.3	535.9	541.3	541.7	543.4	546.7	540.9	546.9	546.9	548.3	552.4	564.3	548.
*26	538.5	542.3	542.9	547.	550.5	550.7	550.8	582.6	555.9	551.5	561.1	563.6	552.9
*27	544.4	543.1	544.7	543.8	542.1	559.3	549.2	559.8	561.6	552.7	554.8	563.9	550.
29	539.5	538.4	542.5	541.	546.7	547.7	546.1	547.2	547.9	550.7	552.9	551.7	549.9
30	543.3	537.8	539.3	555.1	545.4	546.1	557.5	552.	565.2	558.4	555.3	549.3	549.8
Means	546.8	544.9	546.	547.2	549.9	552.9	553.2	555.8	555.9	556.9	558.1	558.9	554.9

* See disturbance observations.

Göttingen time.. Observatory time.	*h. m.* 18 02 12 21½	*h. m.* 19 02 13 21½	*h. m.* 20 02 14 21½	*h. m.* 21 02 15 21½	*h. m.* 22 02 16 21½	*h. m.* 23 02 17 21½	*h. m.* 0 02 18 21½	*h. m.* 1 02 19 21½	*h. m.* 2 02 20 21½	*h. m.* 3 02 21 21½	*h. m.* 4 02 22 21½	*h. m.* 5 02 23 21½	Means.	Reduced to 32° F.
April 1.....	1075.5	1058.7	1061.1	1060.4	1065.6	1075.3	1078.3	1065.7	1066.6	1063.8	1073.1	1061.2	1060.2	1011.7
2.....	1082.5	1069.1	1075.	1082.	1082.3	1077.1	1078 9	1078.3	1074.8	1077.5	1068.3	1076.8	1070.9	1008.9
3.....	1094.5	1082.7	1062.7	1061.4	1069.1	1091.3	1091.6	1086.1	1082.	1065.1	1065.5	1090.	1077.2	1013.4
4.....	1104.5	1109.6	1100.1	1095.1	1099.2	1103.5	1105.9	1102.9	1104.6	1105.9	1109.9	1104.6	1094.7	1013.2
5.....	1114.2	1110.4	1104.5	1095.3	1090.1	1083.	1090.7	1118.8	1103.7	1112.1	1123.7	1123.2	1098.3	1015.6
6.....	1084.8	1082.6	1076.7	1061.8	1065.8	1056.2	1061.2	1064.8	1074.2	1073.	1039.3	1067.4	1071.8	1012.4
8.....	1064.3	1057.1	1059 2	1056.2	1059.3	1057.6	1059.5	1060.	1055.9	1060.5	1062.4	1064.4	1054.8	999.1
9.....	1063.1	1065.8	1059.8	1056.2	1055.5	1061.4	1055.9	1053.	1054.2	1054.4	1049.9	1046.9	1057.3	988.8
10.....	1046.	1050.1	1051.5	1049.7	1046.5	1048.5	1049.7	1074.2	1062.3	1061.3	1062.2	1059.6	1047.8	983.5
11.....	1056.2	1055.7	1053.3	1054.5	1059.1	1062.7	1069.	1073.2	1069.6	1067.	1070.5	1062.9	1057.3	987.4
12.....	1061.8	1055.2	1051.4	1054.9	1060.6	1062.9	1061.4	1062.	1062.9	1063.2	1061.7	1059.7	1060.3	987.2
13.....	1067.7	1068.9	1053.4	1052.	1052.3	1054.5	1059.9	1059.3	1060.8	1062.8	1063 8	1065.3	1056.	987.1
15.....	1077 7	1083.	1083.6	1087.	1090.5	1089.6	1096.	1095.1	1097.8	1099.7	1096.9	1089.2	1080.9	996.3
16.....	1069.4	1063.8	1058.9	1062.	1069.1	1068.9	1070.4	1070 3	1095.5	1102.7	1087.1	1080.	1070.3	994.9
17.....	1117.3	1079.3	1070.5	1070.4	1070.9	1084.	1095.7	1089.2	1103.7	1093.3	1085.5	1086.1	1101.1	1025.9
18.....	1056.2	1042.7	1039.8	1041.3	1063.3	1049.6	1071.1	1063.1	1062.3	1059.1	1060.1	1059.5	1056.8	1002.2
19.....	1063.5	1053.2	1043.2	1039.7	1037.2	1044.5	1045.4	1049.1	1050.1	1048.4	1050.7	1049.6	1049.5	1004.3
20.....	1077.1	1070.	1061.8	1055.3	1052.1	1053.9	1053.6	1053.9	1054.3	1051.	1051.2	1050.7	1055.8	1001.3
22.....	1071.3	1073.9	1065.1	1063.8	1063.6	1062.	1065.8	1068.6	1071.3	1074.3	1071.6	1066.	1059.8	993.9
23.....	1065.8	1068.5	1063.7	1066.3	1059.8	1057 8	1061.3	1061.5	1065.3	1065.9	1071.	1064.	1062.2	991.6
24.....	1060.	1061.9	1061.3	1068.3	1070.5	1069.4	1072.4	1081.1	1083.5	1082.2	1082.1	1079.5	1063.6	990.1
*25.....	1075.5	1091.1	1094.1	1076.2	1067.1	1049.8	1090.5	1088.5	1081.3	1079.9	1080.6	1075.9	1074.5	995.5
*26.....	1093.8	1089.5	1082.9	1083.5	1087.1	1089.7	1082.9	1069.8	1100.	1100.9	1071.1	1102.8	1080.4	1007.1
*27.....	1077.7	1077.3	1069.1	1053.2	1072.7	1038.7	1053.1	1059.1	1046.8	1063.8	1043.4	1049.	1073.9	1011.3
29.....	1034.4	1038.3	1041.2	1041.1	1055.6	1042.8	1073.6	1072.3	1067.3	1066.2	1054.7	1064.6	1051.7	991.2
30.....	1069.9	1070.2	1063.2	1071.1	1067.3	1072.1	1059.5	1075.1	1072.3	1066.5	1074.6	1057.3	1065.1	997.7
Means.....	1074.	1070.3	1065.6	1063.8	1066.6	1065.6	1071.3	1072.9	1074.	1073.8	1070.4	1071.4	1067.6	
Reduced to 32° F.	1009.1	1003.5	996.7	992.2	993.5	991.5	997.	999.6	1001.3	1002.2	999.8	1002.2		1000.8

* See disturbance observations.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time...	6 02	7 02	8 02	9 02	10 02	11 02	12 02	13 02	14 02	15 02	16 02	17 02
Observatory time.	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
April 1	51.7	50.7	50.2	50.1	50.5	50.6	50 1	50.8	51.6	51.9	51.8	53.6
2	58.2	59.4	60.1	59 8	59.	59.	57.7	57.5	57.	57.9	56.7	58.2
3	61.3	60.1	60.1	60.3	60.9	60.9	59 9	59.7	59.8	59.2	59.1	60.
4	66.	65.8	66.1	67.7	68.3	68.1	67.8	66.7	66.1	66.2	67.9	68.6
5	72.2	71.8	71.6	71.2	70.2	69.9	70.7	71.	71.	70.6	71.3	74.
6	66.5	65.8	65.2	64.2	63.2	62.2	61.2	60.2	59.2	58.7	58.3	58.
8	55.	55.	54.7	54 2	54.1	54.1	53.9	53.7	54.	54 3	55.	56.
9	64.4	64.3	64.2	64 1	63.8	63.9	63.4	63.7	64.	64.7	65.2	66.
10	62.1	61.3	60.5	59.6	58.8	58.	57.3	57.1	57.5	59.	60.2	60.7
11	*64.1	*63.1	62.7	61.9	61.	60.3	59.8	59.8	60.2	61.1	62.	62.5
12	68.7	68.2	67.5	66.8	66.	65.6	65.	64 6	64.4	64.	64.6	65.3
13	64.5	63.7	62.9	62.2	61.7	61.1	60.8	60.7	60.6	61 4	61.	61.9
15	71.8	71.	70.2	69.7	69.	69.3	67.8	67.5	67.7	68.	68.2	69.8
16	72.	70.6	69.5	68.3	67.1	66.1	65.1	64.3	63.6	63.2	63.	63.2
17	69.1	68.5	67.9	67.1	66.7	66.	65.9	65.7	66.	66 5	67.2	67.5
18	64.5	63.4	62.2	61.2	59.8	59.	57.6	56 5	56.1	56.	55.8	56.
19	54.5	54.1	53.5	52.9	52 2	51.8	51.1	51.	51.2	51.3	51.4	52.1
20	55.1	54.9	54.7	54.5	54.3	54.1	54.1	54.1	54.3	54.6	55.	55.5
22	58.8	58.8	59.1	59.2	59.2	59.1	59.3	59.5	59.	60.5	61.1	62.2

Göttingen time Observatory time	*h. m.* 18 02 12 21½	*h. m.* 19 02 13 21½	*h. m.* 20 02 14 21½	*h. m.* 21 02 15 21½	*h. m.* 22 02 16 21½	*h. m.* 23 02 17 21½	*h. m.* 0 02 18 21½	*h. m.* 1 02 19 21½	*h. m.* 2 02 20 21½	*h. m.* 3 02 21 21½	*h. m.* 4 02 22 21½	*h. m.* 5 02 23 21½	Means.
April 1	54.6	57.5	61.1	62.	62.4	61.9	60.6	59.	58.2	57.5	56.9	57.3	55.1
2	60.5	63.6	66.8	66.6	66.9	66.6	65.3	65.9	65.3	64.2	63.	62.4	61.5
3	60.6	61.9	64.4	66.2	67.	66.7	65.9	65.	64.8	65.3	65.2	65.1	62.4
4	70.6	71.9	73.	74.1	75.6	76.8	77.	75.5	76.2	75.3	74.3	73.3	70.8
5	74.5	70.9	71.	75.8	75.	74.2	73.1	71.4	70.5	69.3	68.3	67.4	71.4
6	58.7	59.	59.2	59.	59.3	59.3	59.1	58.6	58.4	58.2	57.9	57.6	60.3
8	57.3	59.	60.8	62.	63.	63.7	64.	64.	64.2	64.3	64.4	64.4	58.5
9	66.6	66.9	66.8	66.5	66.	65.6	65.5	65.2	65.	64.5	63.9	63.	64.6
10	62.6	63.6	64.5	65.2	66.3	67.5	68.	67.9	67.6	67.	66.3	65.4	62.6
11	64.6	66.	67.3	68.5	69.5	70.9	71.4	71.2	70.8	70.3	70.1	69.4	65.3
12	65.8	66.8	67.5	68.3	69.1	69.7	69.1	68.4	68.	67.3	66.7	65.7	66.8
13	62.7	64.2	65.8	66.9	68.3	69.5	70.	69.9	69.6	69.2	68.7	67.8	64.8
15	71.8	73.	74.8	76.3	76.8	77.	77.2	76.8	76.3	75.9	74.8	73.2	72.3
16	64.2	65.5	66.5	67.3	68.7	69.8	70.3	70.2	70.2	70.2	70.	69.7	67.9
17	67.5	68.3	69.1	69.8	70.2	70.5	70.	69.	68.3	67.3	66.5	66.6	67.8
18	56.3	56.7	57.2	57.5	58.2	58.4	58.5	58.	57.4	56.7	56.	55.1	58.
19	52.3	53.2	53.7	54.4	54.9	55.1	55.2	55.3	55.3	55.5	55.6	55.3	53.5
20	56.	56.3	57.1	57.8	58.6	59.2	59.5	59.5	59.6	59.7	59.8	59.5	56.5
22	63.3	64.2	65.1	66.2	67.4	68.7	69.4	69.3	69.	68.3	67.8	67.1	63.4
23	63.	64.1	65.5	66.7	68.	69.2	69.6	68.9	68.	67.1	66.1	65.1	65.6
24	64.1	65.	67.7	71.	72.3	73.4	74.	74.3	74.4	74.1	73.9	73.7	67.
25	67.6	68.	68.2	68.9	69.6	70.6	71.2	71.	70.6	69.9	68.9	67.9	69.6
26	64.8	66.2	68.2	70.	71.5	72.4	72.8	72.7	72.7	72.5	72.3	71.9	66.9
27	60.9	60.2	60.	59.	57.8	57.5	57.	56.5	56.	55.6	55.4	55.1	61.8
29	60.5	61.3	62.3	63.7	65.4	67.1	68.2	68.4	67.9	67.3	66.6	65.6	60.8
30	63.5	64.9	66.	67.3	68.3	68.2	69.9	69.4	68.3	67.	65.9	64.6	64.1
Means	62.9	63.8	64.8	66.1	66.8	67.3	67.4	66.9	66.6	66.1	65.6	64.9	63.8

Göttingen time... / Observatory time.	h. m. 6 04 0 23½	h. m. 7 04 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
April 1	634.1	617.9	603.	602.2	608.	608.6	609.2	604.3	602.9	608.6	613.6	618.9
*2	698.2	720 2	742.	753.	750.7	744.2	728.	718.5	709.2	704.7	698.5	709.2
3	750.3	754.5	757.	761.1	777.8	771.1	745.9	733.6	731.2	731.4	724.9	719.6
4	798.9	804.9	813.4	836.9	860.	866.2	861.9	850.9	834.6	837.7	824.9	832.5
5	880.9	871.	867.6	868.1	861.1	854.9	859.2	871.	871.2	876.3	878.	891.2
6	805.3	782.5	768.4	759.8	748.1	733.6	717.6	702.9	689.	678.1	669.8	665.5
8	620.	620.9	617 3	614.	611.8	609.2	607.8	605.4	604.7	607.9	614.5	621.3
9	751.4	751.7	752.1	752.7	751.9	749.7	747.4	745.5	747.	753.6	761.4	769.2
10	747.	725.2	725.3	717.4	707.7	695.6	685.5	675.8	673.	678.5	691.3	708.8
11	†772.7	†763.9	753.	741.9	732.3	719.9	708.4	700.8	697.9	705.5	712.7	726.5
12	829.9	821.	813.6	806.8	798.4	790.4	783.6	777.4	768.9	766.	764.7	770.1
13	767.	753.	741.	732.5	723.6	715.8	709.3	704.7	701.5	698.8	700.	703.5
15	860.	849.3	839.	831.8	822.9	814.5	805.8	799.	796.4	798.1	799.9	807.5
16	862.6	848.8	832.5	821.	803.9	788.9	774.7	761.	751.	743.	737.9	735.7
17	828.2	826.3	826.4	840.9	844.4	838.9	837.	819.2	796.5	781.1	777.6	777.4
18	760.	748.	734.	722.4	700.8	696.3	681.6	666.9	653.2	651.5	652.5	653.8
19	629.	621.	615.2	612.	605.9	600.	593.5	587.3	583.7	587.3	592.3	596.3
20	627.	624.	622.3	622.8	619.9	616.6	613.8	615.6	615.3	618.2	621.8	626.
22	672.3	671.8	674.	676.	677.2	677.9	678.2	678.8	682.5	690.5	697.	708.1
23	783.	775.9	769.4	764.	756.7	747.5	741.1	735.8	730.9	732.7	732.7	730.9
24	761.9	750.2	742.6	737.1	731.1	725.	720.3	717.7	716.4	719.4	720.5	723.7
*25	862.8	860.2	853.2	846.7	840.5	832.9	826.9	822.1	813.8	810.4	805.2	801.3
*26	798.	783.1	773.	763.3	747.9	732.	728.3	726.	717.7	715.4	718.	714.8
*27	850.2	845.1	836.9	826.8	814.	808.9	780.5	767.6	752.3	741.7	728.4	722.
29	633.8	648.1	646.	644.4	638.5	632.8	627.1	623.8	624.6	633.4	641.8	651.4
30	757.8	747.	736.1	726.1	714.2	702.6	692.1	687.	686.	691.3	695.6	703.9
Means	759.1	752.9	744.4	745.4	740.3	733.5	725.5	719.2	713.5	713.1	714.4	718.8
Reduced to 32° F.	313.6	308.8	308.4	312.1	317.8	313.7	309.7	310.2	303.1	298.7	296.6	286.8

See disturbance observations.

† Supplied.

Göttingen time.. Observatory time.	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
April 1	641.7	685.5	729.6	772.3	777.3	788.5	750.2	726.3	707.4	693.8	675.6	680.2	665.1	297.9
2	741.6	783.	821.5	840.	840.2	831.9	820.	813.4	866.5	788.8	778.	764.3	762.9	301.2
3	740.	735.8	780.2	807.	824.	815.1	800.8	787.1	780.9	788.3	788.8	787.2	766.4	310.1
4	850.	867.9	879.2	935.8	917.5	920.	924.9	926.	923.4	915.3	903.5	894.8	870.2	301.9
5	917.1	921.5	927.2	933.1	929.8	919.9	905.	881.8	857.8	836.5	827.8	808.	881.1	302.
6	668.1	671.1	672.9	671.6	671.1	671.6	672.1	668.4	662.7	657.7	665.7	657.9	698.2	294.6
8	634.2	653.	672.	690.	706.6	728.	738.	741.9	744.7	745.2	747.3	750.2	662 9	294.4
9	775.3	782.2	787.8	786.5	782.6	780.4	777.9	776.	772.9	767.9	762.3	756.7	763.2	308.3
10	729.4	743.1	754.6	763.2	771.	783.7	793.8	798.1	799.	795.2	791.9	785.3	739.7	309.1
11	721.9	759.1	782.5	798.2	809.6	822.2	833.9	839.4	840.	836.3	834.2	835.1	768.9	311.3
12	781.2	791.	†806.5	829.9	824.8	824.3	822.6	814.	804.9	795.1	786.8	779.1	798.8	308.8
13	716.1	726.9	744.2	779.7	790.8	804.6	815.	818.4	817.3	813.	809.9	805.	753.8	296.2
15	823.	847.	864.5	876.5	888.2	892.5	899.6	900.8	897.6	894.	888.3	877.1	835.6	278.1
16	738.4	752.1	763.7	782.	788.1	798.9	807.2	811.3	811.5	808.8	807.9	811.4	781.1	283.
17	773.2	770.6	778.2	794.	793.9	795.	800.3	795.1	792.4	788.4	779.3	770.	801.	300.2
18	657.7	657.1	659.3	662.	662.3	661.	664.9	663.1	660.9	652.3	644.9	637.1	675.1	297.1
19	600.	603.6	603.7	606.4	620.	622.4	625.1	626.3	625.8	625.1	626.	627.8	609.8	306.1
20	629.9	636.3	643.5	631.8	659.7	666.6	672.2	675.	675.8	676.1	677.	678.2	640.2	294.6
22	720.7	732.1	742.9	776.6	777.9	785.7	796.8	800.3	799.4	794.8	790.6	787.8	724.6	289.9
23	732.	741.	749.8	761.7	773.8	786.5	797.8	800.9	797.1	788.7	780.8	772.	761.9	300.2
24	733.7	745.7	762.7	789.7	815.8	833.1	847.3	856.1	861.2	863.6	863.9	864.9	775.2	290.6
*25	801.8	798.8	793.5	805.4	808.7	810.8	810.9	820.7	823.8	823.5	817.5	814.7	829.5	304.4
*26	735.4	749.5	767.	800.6	815.7	828.8	836.7	845.6	844.9	842.9	853 5	855.1	779.7	293.7
*27	713.6	702.6	699.5	682.2	670.9	656.8	652.6	648.3	645.1	636.4	643.	639.1	727.7	305.2
29	667.9	682.8	697.3	715.3	729.8	744.9	758.6	768.	774.4	773.	775.4	767.7	687.5	292.
30	715.3	733.2	778.	773.5	784.5	788.2	796.7	801.6	799.9	791.5	777.4	771.8	743.8	301.
Means	729.2	740.5	757.4	767.8	778.2	783.1	785.4	784.7	781.4	776.7	773.4	768.5	750.1	
Reduced to 32° F.	282.4	278.8	276.8	275.1	284.1	287.7	291.3	301.4	299.5	305.6	314.8	317.6		299.2

* See disturbance observations.

† One minute late.

Göttingen time... / Observatory time.	A. m. 6 04 0 23½	A. m. 7 04 1 23½	A. m. 8 04 2 23½	A. m. 9 04 3 23½	A. m. 10 04 4 23½	A. m. 11 04 5 23½	A. m. 12 04 6 23½	A. m. 13 04 7 23½	A. m. 14 04 8 23½	A. m. 15 04 9 23½	A. m. 16 04 10 23½	A. m. 17 04 11 23½
April 1	55.1	54.1	54.	54.5	54.7	54.9	54.2	54.8	55.	55.8	55.8	56.4
2	63.	64.7	65.9	64.3	63.9	63.6	61.9	62.	61.2	61.2	61.3	60.5
3	64.2	63.7	64.3	65.4	66.3	66.2	65.9	66.7	64.1	63.2	63.8	63.6
4	69.3	69.	70.3	72.5	73.1	72.5	71.6	70.4	69.8	70.2	70.6	72.6
5	74.1	74.	74.2	73.8	73.7	73.8	74.2	74.3	74.8	74.8	75.8	77.7
6	68.3	67.6	66.8	65.9	65.6	64.	62.9	61.9	61.	60.4	60.2	60.6
8	55.9	55.9	55.6	55.1	55.	55.	54.9	54.7	54.8	55.2	55.	56.9
9	64.6	64.9	64.9	64.8	64.6	63.8	64.2	64.2	64.9	65.5	66.9	66.5
10	63.1	62.4	61.7	60.9	60.	59.2	58.8	58.4	58.8	59.	61.6	63.2
11	*65.3	*64.6	63.5	63.7	63.	61.4	60.8	60.6	61.1	62.2	63.8	64.5
12	69.5	69.2	68.6	68.	67.2	66.9	66.2	66.	65.8	65.5	66.4	67.8
13	65.4	64.5	64.	63.2	62.8	62.2	61.9	61.9	62.	62.	62.7	63.5
15	73.6	73.	71.8	70.8	70.1	69.7	69.	69.	69.2	69.2	70.1	71.5
16	73.9	71.8	70.7	69.5	68.5	67.4	66.5	66.9	66.2	64.9	64.8	65.2
17	70.	69.5	68.9	68.2	67.9	67.2	67.1	67.	67.2	67.4	68.7	69.
18	66.	65.	64.	63.9	61.2	60.8	59.5	58.4	58.	58.	58.2	58.7
19	55.8	55.3	55.	54.2	53.8	53.	52.8	52.6	53.1	53.8	53.5	54.8
20	56.	55.8	55.7	55.5	55.1	55.	55.	55.1	55.6	56.	56.2	56.7
23	59.3	59.7	60.	60.	60.	60.1	60.1	60.3	60.2	60.5	61.5	60.7
25	67.	66.5	66.	65.8	64.8	64.2	63.6	63.5	63.6	63.7	63.7	63.9
24	65.1	64.5	64.	63.5	63.1	62.9	62.7	62.7	62.8	63.	63.5	64.2
25	73.8	73.1	72.7	72.1	71.5	71.	70.6	70.1	69.5	69.	69.	69.1
26	67.8	67.	66.	64.9	63.8	63.2	62.8	62.8	62.8	62.9	63.6	63.
27	73.	71.5	70.2	70.	69.	67.6	66.4	65.5	65.	65.2	63.2	63.
29	57.7	57.5	57.2	56.9	56.5	56.1	56.	56.	56.6	57.4	58.2	59.7
30	65.	64.4	63.6	63.5	61.9	60.9	60.4	60.1	60.3	61.6	63.4	63.6
Means	65.	64.9	64.8	64.1	63.3	63.1	62.8	62.8	62.4	62.7	63.1	64.

* Supplied.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Means.
Göttingen time	18 04	19 04	20 04	21 04	22 04	23 04	0 04	1 04	2 04	3 04	4 04	5 04	
Observatory time	12 23½	13 23½	14 23½	15 23½	16 23½	17 23½	18 23½	19 23½	20 23½	21 23½	22 23½	23 23½	
April 1	60.3	64.5	67.5	68.3	68.7	65.9	64.	62.	61.3	60.4	60.2	61.3	59.2
2	67.	70.9	72.4	72.8	71.8	70.6	69.7	69.3	68.7	67.3	66.4	65.8	66.2
3	63.2	67.2	70.5	71.9	70.9	69.3	68.	67.	67.4	68.2	67.6	68.3	65.8
4	74.2	75.7	77.	79.7	78.5	79.1	79.	78.3	78.	77.1	76.2	75.1	74.1
5	77.7	79.2	79.6	78.5	77.7	76.6	75.4	73.6	72.6	71.4	70.4	69.3	74.9
6	61.	61.3	61.1	60.9	60.8	60.7	60.4	60.	59.8	59.6	58.3	58.9	61.9
8	58.5	60.3	61.6	62.8	64.	64.4	64.5	64.4	64.7	64.9	65.	65.	59.3
9	67.	67.4	67.3	67.	66.7	66.3	66.3	65.9	65.8	65.3	64.9	64.1	65.7
10	64.5	65.8	65.8	66.9	68.	68.7	68.7	68.3	68.	67.8	67.1	66.3	63.9
11	65.9	67.3	69.1	69.8	70.6	71.9	71.9	71.7	71.3	71.	71.	70.3	65.9
12	68.6	69.3	69.7	73.6	70.9	71.	70.	69.2	68.7	68.	67.4	66.4	68.3
13	64.	65.5	68.3	69.3	70.2	70.8	71.	70.5	69.3	70.	69.5	68.9	65.9
15	73.7	75.	75.6	77.2	77.3	77.5	77.8	77.2	76.9	76.5	75.4	74.2	73.3
16	66.5	68.5	69.4	69.4	70.5	71.	71.2	71.	71.2	71.1	71.	70.6	68.9
17	69.7	70.6	71.	71.5	71.8	71.7	71.2	70.4	69.3	68.5	67.8	67.	69.1
18	58.8	59.4	60.1	59.3	60.1	60.3	59.9	59.4	58.7	58.	57.3	56 6	60.
19	54.7	55.6	56.6	55.8	56.	56.3	56.3	56.1	56.2	56.5	56.6	56.3	54.5
20	57.4	58.	58.7	59.3	59.6	60.	60.1	60.1	60.2	60.3	60.3	60.2	57.6
22	64.7	65.8	66.7	70.8	69.1	69.8	69.8	69.3	69.	68.7	68.3	67.8	64.2
23	65.	66.3	66.6	68.	69.2	69.6	69.6	68.8	68.2	68.5	66.8	65.9	66.2
24	65.5	67.1	68.7	71.3	72.9	73.7	74.3	74.4	74.8	74.6	74.5	74.3	67.9
25	69.6	71.	70.4	71.	71.8	72.	72.6	72.	71.7	70.9	70.	69.	70.9
26	66.5	68.2	70.8	71.8	72.4	73.	73.3	73.1	73.3	73.2	72.8	72.4	68.
27	62.3	62.	61.5	60.6	59.4	59.3	58.8	58.	57.7	57.1	57.	56.9	63.3
29	61.5	62.7	63.8	65.5	66.	67.7	68.3	68.2	68.	67.7	67.	66.1	61.3
30	65.4	67.	69.3	69.2	69.5	70.4	70.6	69.2	68.3	67.3	66.4	65.2	64.8
Means	65.1	66.2	67.6	68.5	68.6	68.7	68.6	67.8	67.7	66.9	65.9	65.4	65.4

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
April 1.....	558.3	558.9	557.9	1045.	1046.6	1048.6	51.6	602.6	602.9	602.6	55.
2.....	569.4	569.	570.	1055.5	1055.2	.....	57.	710.3	709.2	708.	61.2
3.....	568.3	567.1	566.2	1063.7	1062.8	1066.4	59.8	731.9	731.2	732.1	64.1
4.....	566.6	567.7	567.7	1081.7	1082.6	1083.1	66.1	835.7	834.6	833.	69.8
5.....	570.2	570.7	570.2	1077.4	1076.4	1076.7	71.	871.1	871.2	871.8	74.6
6.....	564.2	564.7	565.4	1067.3	1067.4	1067.3	59 2	690.2	689.	687.	61.
8.....	564.8	565.	563.9	1047.3	1048.1	1050.2	54.	604.3	604.7	604.7	54.8
9.....	564.	563.7	564.	1057.4	1058.6	1060.3	64.	746.1	747.	746.9	64.9
10.....	566.	565.	565.2	1035.4	1036.1	1037.1	57.5	672.9	673.	672.9	58.8
11.....	562.8	563.1	563.	1055.2	1056.	1055.	60.2	697.4	697.9	697.4	61.1
12.....	561.5	561.5	561.1	1058.6	1059.6	1060.4	64.4	769.1	768.9	768.6	65.8
13.....	568.6	569.1	568.6	1048.7	1049.7	1050.	60.6	701.9	701.5	701.	62.
15.....	559.1	558.1	558.3	1071.6	1070.2	1070.	67.7	796.	796.4	796.1	69.2
16.....	562.2	561.5	561.7	1072.3	1072.	1073.4	63.6	752.2	751.	750.	65.2
17.....	543.4	542.7	545.6	1157.6	1156.8	1153.6	66.	799.	796.5	793.7	67.2

Gottingen time... / Observatory time .	h. m. 6 00 0 19½	h. m. 7 00 1 19½	h. m. 8 00 2 19½	h. m. 9 00 3 19½	h. m. 10 00 4 19½	h. m. 11 00 5 19½	h. m. 12 00 6 19½	h. m. 13 00 7 19½	h. m. 14 00 8 19½	h. m. 15 00 9 19½	h. m. 16 00 10 19½	h. m. 17 00 11 19½
May 1.....	549.8	549.1	548.3	537.5	544.6	555.4	558.1	560.9	563.5	558.7	550.5	544.9
2.....	549.5	546.7	553.	555.9	554.2	551.	554.	560.	558.2	554.5	549.6	547.4
3.....	562.2	560.9	558.	556.1	555.1	555.3	559.5	563.	565.	561.7	553 2	544.5
4.....	552.9	549.9	549.6	550.2	551.4	563.5	559.4	560.1	560.9	557.1	552.2	545.2
6.....	551.5	548.7	553.2	550.3	547.4	551.9	557.4	557.1	558.5	558.1	548.9	541.9
7.....	545.6	544.8	543.1	544.8	546.5	549.5	550.9	552.2	553.	547.2	539.7	538.1
8.....	555.2	568.3	550.7	548.5	539.9	555.6	556.8	555.7	547.8	545.	543.1	540.4
9.....	554.1	551.6	548.4	551.	550.6	550.2	554.4	555.2	558.5	553.	551.1	546.3
10.....	545.6	545.6	545.4	545.4	547.5	545.8	548.7	552.1	550.9	550.6	544.2	537.3
11.....	545.3	546.2	546.5	547.2	547.	550.2	550.4	552.5	548.9	542.8	539.6	540.
13.....	544.2	546.5	544.3	545.7	546.5	550.1	556.5	555.5	553.3	550.	544.2	537.5
14.....	557.	554.1	550.7	545.4	550.7	558.2	558.7	562.3	557.3	553.9	542.2	540:2
15.....	549.3	551.3	546 3	544.1	549.2	554.7	555.8	556.5	554.7	551.3	545.4	544.5
16.....	544.3	544.7	545.	546.2	545.9	551.3	556.3	558.1	556.1	550.4	543.2	542.
17.....	546.5	545.7	547.9	547.2	549.5	551.	555.4	558.	557.8	555.1	548.	539.8
18.....	545.6	546.	545.2	544.2	544.8	549 5	551.	552.	551.	549.5	547.	544.5
20.....	546.8	545.9	548.6	549.	549.1	552.	555.6	557.2	557.8	555.2	550.1	546.7
21.....	547.8	548.4	548.8	548.5	549.7	553.7	555.5	557.1	557.1	553.3	546.9	541.
22.....	544.6	544.	545.5	546.4	548.8	553.	558.4	551.9	552.5	555.3	549.4	548.4
23.....	560 1	556.5	538.4	548.4	550.5	545.3	546.7	555.9	555.	553.8	549.5	543.
24.....	546 6	546.2	545.2	543.9	547.	551.1	555.8	554.6	550.2	548.9	545.	540.1
25.....	543.9	546.8	540.	543.1	548.3	552.4	555.	556.1	554.3	550.7	547.2	543.3
27.....	552.	541.1	548.8	549.	550.5	553.7	557.4	559.	553.1	548.1	540.2	537.3
28.....	549.4	549.4	547.5	547.	553.8	557.2	557.4	557.9	558.2	554.9	546.9	537.6
29.....	547.4	546.6	547.4	542.6	548.2	554.5	556.5	556.9	555.5	550.7	547.4	540.2
30.....	546.1	552.3	553.4	557.9	553.7	556.9	557.2	556.7	555.6	552.3	546.9	543.9
31.....	547.8	548.8	550.1	549.4	552.1	555.	558.3	559.7	558.7	555.	548.8	543.2
Means.....	549.3	549.1	547.8	547.6	549.	552.9	555.5	556.8	555.7	552.3	546.7	542.2

[1844.

DECLINATION MAGNETOMETER—Continued.

Göttingen time / Observatory time	h. m. 18 00 / 13 19½	h. m. 19 00 / 13 19½	h. m. 20 00 / 14 19½	h. m. 21 00 / 15 19½	h. m. 22 00 / 16 19½	h. m. 23 00 / 17 19½	h. m. 0 00 / 18 19½	h. m. 1 00 / 19 19½	h. m. 2 00 / 20 19½	h. m. 3 00 / 21 19½	h. m. 4 00 / 22 19½	h. m. 5 00 / 23 19½	Means.
May 1	545.	540.2	542.9	542.9	542.6	544.8	548.2	546.4	549.1	550.8	550.3	554 4	549.1
2	538.6	537.5	538.5	541.3	542.9	550.4	555.8	552.5	550.7	548.8	560.	554.8	550.2
3	542.5	537.	536.7	541.6	547.	550.	551.2	552.1	551.5	551.1	551.2	550.6	552.4
4	542 1	537.8	537.1	539.9	543.1	545.2	548.1	548.	548.8	548.3	549.6	552.6	549.7
6	536.4	530.1	533.9	535.5	540.	513.7	544.4	547.7	545.	546.6	553.2	545.5	547.
7	536.9	533.6	533.7	534.4	538.3	543.6	543.4	544.1	545.5	543.6	551.9	545.1	544.1
8	534.5	534.8	532.6	527.5	552.5	540.	547.8	558.4	542.	554.4	553.8	549.7	547.8
9	541.4	539.1	538.8	539.3	540.7	542.3	542.8	542.4	543.4	547.4	548.8	546 3	547.4
10	536.5	535.9	535.8	536.5	538.2	544.6	541.3	542.4	543.3	544.	553.2	545.4	544.
11	538.1	538.6	539.9	542.9	546.2	547.8	544.1	547.	547.8	547.	546.3	547.	545.4
13	534.1	532.	534.5	537.	539.9	542.4	543.2	544.5	544.2	544.	544.4	547.7	544.7
14	536.5	533.8	535.7	538.2	542.	545.2	546.8	552.1	547.	*558.1	*553.1	*552.7	550.5
15	534.5	531.3	533.2	536.8	542.5	549.2	549.	550.2	544.9	545.	546.8	546.9	546.4
16	540.3	539.6	540.6	545.	549.5	549.2	549.5	547.4	546.8	546.3	547.5	547.3	547.2
17	534.3	533.4	534.3	537.4	541.1	546.3	548.1	545.3	543.1	545.3	544.8	546.4	545.9
18	543.4	541.5	537.5	540.3	542.5	545.	545.4	547.3	544.3	545.6	544.1	547.2	545.6
20	541.8	539.8	542.3	545.1	544.6	545.6	545.	546.1	545.8	546.	546.3	546.6	547.9
21	538.1	533.2	532.6	532.8	538.2	545.8	538.5	546.9	542.2	542.3	545.9	545.3	545.4
*22	540.3	532.3	532.2	529.7	526.5	537.	539.2	564.9	546.8	556.9	548.1	562.5	546.5

Göttingen time... / Observatory time.	h. m. 6 02 / 0 21½	h. m. 7 02 / 1 21½	h. m. 8 02 / 2 21½	h. m. 9 02 / 3 21½	h. m. 10 02 / 4 21½	h. m. 11 02 / 5 21½	h. m. 12 02 / 6 21½	h. m. 13 02 / 7 21½	h. m. 14 02 / 8 21½	h. m. 15 02 / 9 21½	h. m. 16 02 / 10 21½	h. m. 17 02 / 11 21½
May 1	1070.9	1064.3	1062.5	1062.9	1056.	1062.5	1063.	1068.2	1076.5	1076.3	1082.	1082.5
2	1084.6	1072.4	1077.7	1075.6	1077.	1088.2	1080.2	1075.3	1078.2	1086.1	1087.6	1084.9
3	1074.9	1092.	1087.7	1074.9	1073.6	1066.1	1067.1	1070.	1077.2	1095.4	1114.1	1101.1
4	1060.6	1079.	1080.1	1078.5	1076.4	1073.2	1073.2	1073.4	1080.8	1090.8	1086.2	1077.3
6	1063.3	1061.	1054.4	1059.7	1058.4	1055.	1049.6	1060.7	1057.9	1068.3	1082.5	1079.1
7	1060.6	1058.6	1055.2	1052.5	1058.2	1043.9	1040.8	1042.	1055.7	1065.7	1073.	1058.
8	1064.1	1059.2	1052.3	1058.3	1042.6	1046.1	1048.8	1057.5	1066.1	1070.1	1058.1	1045.4
9	1093.1	1083.4	1082.1	1076.6	1078.5	1074.2	1078.2	1080.8	1090.7	1087.1	1081.3	1079.2
10	1067.9	1064.9	1063.	1061.9	1061.1	1057.8	1053.9	1052.1	1048.3	1050.4	1052.	1053.1
11	1063.9	1063.2	1063.9	1062.9	1061.2	1059.5	1063.	1065.5	1071.7	1078.2	1071.	1061.1
13	1051.1	1050.2	1047.7	1049.8	1046.2	1042.7	1038.1	1038.9	1044.3	1047.2	1044.2	1040.8
14	1052.1	1050.5	1037.	1034.5	1037.7	1058.3	1045.2	1057.8	1053.8	1069.7	1073.4	1071.1
15	1069.1	1067.5	1058.2	1056.3	1053.3	1049.	1048.4	1051.6	1056.	1070.1	1074.3	1071.2
16	1068.2	1067.2	1067.2	1063.3	1064.9	1060.4	1064.6	1066.5	1075.9	1085.8	1089.7	1087.
17	1095.2	1092.3	1089.	1087.6	1082.8	1080.7	1081.2	1088.9	1097.3	1104.2	1113.8	1118.8
18	1062.1	1071.7	1067.2	1065.	1062.6	1061.1	1061.1	1063.9	1069.	1072.8	1069.3	1065.2
20	1066.1	1065.7	1063.	1062.2	1060 8	1058.4	1058.2	1062.2	1066.7	1069.2	1063.5	1058.3
21	1068.5	1067.1	1066.1	1064.8	1062.9	1060.9	1066.3	1073.4	1077.	1083.1	1081.8	1079.4
22	1056.6	1055.8	1051.1	1047.3	1043.9	1034.5	1041.5	1041.	1031.9	1026.3	1026.8	1026.3
23	1074.3	1075.3	1072.	1059.2	1064.3	1072.	1067.5	1060.8	1061.6	1075.3	1090.5	1077.3
24	1078.4	1074.9	1071.7	1073.1	1078.4	1069.	1067.3	1073.9	1087.2	1090.4	1089.1	1087.4
25	1093.3	1091.4	1095.4	1088.5	1087.2	1085.	1085.1	1088.5	1093.6	1092.1	1093.1	1100.1
27	1116.6	1096.5	1099.5	1101.3	1097.	1096.	1097.	1102.4	1101.3	1120.5	1115.3	1107.6
28	1100.	1106.1	1095.3	1101.1	1094.3	1092.1	1087.6	1090.6	1097.6	1105.1	1103.7	1107.
29	1095.3	1093.4	1094.7	1089.	1090.	1086.6	1084.3	1082.4	1088.2	1096.6	1103.5	1099.9
30	1086.4	1085.5	1096.	1094.	1095.7	1085.	1081.7	1078.8	1077.2	1085.3	1090.8	1079.9
31	1082.2	1080.4	1079.6	1080.8	1077.3	1075.9	1075.	1082.5	1096.6	1101.9	1101.6	1099.9
Means	1074.6	1074.	1071.8	1069.7	1068.2	1066.5	1065.5	1069.2	1073.3	1080.2	1081.9	1078.
Reduced to 32° F.	1000.4	1001.2	1000.2	999.3	999.2	998.7	998.7	1002.2	1005.7	1011.4	1012.3	1007.

Göttingen time..	*h. m.* 18 02	*h. m.* 19 02	*h. m.* 20 02	*h. m.* 21 02	*h. m.* 22 02	*h. m.* 23 02	*h. m.* 0 02	*h. m.* 1 02	*h. m.* 2 02	*h. m* 3 02	*h. m.* 4 02	*h. m.* 5 02	Means.	Reduced to 32° F.
Observatory time.	12 21½	13 21½	14 21½	15 21½	16 21½	17 21½	18 21½	19 21½	20 21½	21 21½	22 21½	23 21½		
May 1.....	1079.3	1084.	1077.2	1071.5	1083.1	1096.1	1098.6	1102.5	1087.6	1080.4	1084.6	1086.8	1077.5	1009.1
2.....	1083.3	1069.5	1056.9	1064.4	1080.5	1085.9	1096.9	1096.7	1086.6	1078.7	1082.5	1085.	1080.5	1004.1
3.....	1082.7	1074.9	1075.6	1091.4	1045.3	1055.1	1064.9	1066.1	1065.	1064.8	1065.	1065.3	1075.4	997.8
4.....	1071.1	1071.1	1068.3	1066.1	1066.2	1067.8	1068.7	1070 2	1073.	1076.4	1070.	1072.	1074.	994.4
6.....	1076.6	1068.5	1052 6	1059.	1057.5	1061.3	1077.6	1079.3	1076.6	1072.3	1062.4	1060.4	1064.7	991.7
7.....	1052.3	1050.	1040.9	1041.	1032.6	1032.8	1042.2	1050.9	1053.3	1054.2	1023.	1037.1	1048.9	981.9
8.....	1050.3	1035.6	1049.6	1056.5	1063.4	1068.9	1072.3	1069.4	1088.3	1092.5	1093.6	1088.9	1062.8	989.8
9.....	1069.1	1061.8	1055.1	1047.5	1047.	1045.7	1065.	1075.	1068.7	1072.8	1071.2	1069.4	1072.2	995.4
10.....	1041.2	1033.4	1038 9	1045.	1049.2	1056.1	1062.6	1059.1	1056.9	1056.9	1052.1	1066.5	1054.4	985.
11.....	1060.1	1062.6	1061.8	1066.9	1072.	1080.4	1089.2	1084.3	1081.5	1082.3	1082.6	1081.9	1070.4	997.
13.....	1039.7	1039.8	1035.1	1034.7	1039 5	1046.	1046.4	1045.1	1046.9	1047.6	1050.	1044.2	1044.	982.
14.....	1070.6	1067.7	1063.2	1061.1	1058.5	1065.3	1063.6	1059.1	1081.2	1096.1	1070.7	1066.8	1060 6	998.8
15.....	1077.8	1068.	1049 8	1043.1	1045.6	1057.4	1070.4	1076.1	1078.7	1075.7	1072.9	1064.7	1062.7	994.1
16.....	1080.	1080.	1078.4	1078.8	1078.7	1098.1	1090.	1093.2	1091.7	1093.7	1093.3	1093.	1079.1	1002.9
17.....	1107.9	1090.1	1083.2	1077.	1077.6	1076.4	1072.7	1087.4	1086.9	1079.8	1077.	1076.5	1088.4	1006.2
18.....	1054.3	1054.2	1056.3	1049.5	1047.	1050.4	1055.4	1061.7	1066.9	1065.	1066.8	1065.6	1061.8	993.2
20.....	1052.4	1048.9	1047.	1060.3	1058.	1064.9	1066.	1067.8	1065.6	1066.3	1067.1	1067.4	1061.9	989.5
21.....	1066 3	1055.8	1018.3	1058.5	1055.3	1028.6	1063.3	1072.2	1060.1	1056.4	1058.8	1060.2	1064.	993.6
23.....	1032.4	1033.1	1030.1	1042.8	1050.7	1034.1	1030.6	1077.6	1092.1	1062.7	1069.5	1047.4	1045.7	989.3

Göttingen time...	*h. m.* 6 02	*h. m.* 7 02	*h. m.* 8 02	*h. m.* 9 02	*h. m.* 10 02	*h. m.* 11 02	*h. m.* 12 02	*h. m.* 13 02	*h. m.* 14 02	*h. m.* 15 02	*h. m.* 16 02	*h. m.* 17 02
Observatory time..	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
May 1.....	63.8	62.8	62.	61.2	60.6	60.	60.	60.8	61.3	62.3	63.1	64.3
2.....	70.6	70.2	69.7	69.2	69.	68.6	68.5	68.7	69.2	70.	70.5	70.6
3.....	68.	67.4	67.	66.7	66.1	65.8	65.6	65.9	66.5	67.3	68.	69.
4.....	73.8	72.9	72.	71.2	70.3	69.6	69.1	69.4	70.2	70.7	71.3	71.8
6.....	67.2	66.7	66.2	65.7	65.	64.2	63.9	63.5	63.4	64.7	66.5	68.
7.....	67.7	66.6	65.4	64 4	63.2	62.5	62 3	62.6	62.9	62.9	63.	63.3
8.....	66.1	65.4	64.5	63.7	62.9	62.1	62.	62.5	63.8	65.	66.3	68.
9.....	72.3	71.7	71.	70.4	69.9	69.2	68.7	68.4	68.7	68.5	68.4	68.5
10.....	68.8	67.7	66.6	65.2	64.	63.	62.1	62.1	63.	63.9	64.	64.7
11.....	66.3	65.9	65.4	65.	64.6	64.1	63.9	63.8	63.9	63.9	63.4	64.6
13.....	65.2	64.	63.1	62.1	61.	59.9	59.1	59.1	59.7	59.8	60.	60.4
14.....	64.1	63.7	63.1	62.4	61.8	61.3	61.	60.5	60.4	60 5	60.2	60.7
15.....	64.8	64.3	63 9	63.2	62.3	61.9	61.3	61.5	62.2	63.1	64.	64.6
16.....	68.4	67.6	67.2	66.5	66.6	65.6	65.4	65.1	63.3	65.6	66.	66 7
17.....	75.1	74.8	74.6	74.2	73.9	73.3	73.	72.7	72.8	73.2	73.5	73.9
18.....	68.4	67.9	67.	66.2	65.4	64.8	64.	63.5	63.5	63.4	63.4	64.
20.....	68.9	68.5	68.2	68.	67.5	66.9	66.3	65.9	65.6	65.3	65.1	65.1
21.....	70.7	70.3	70.1	69.9	69.9	69.6	69.3	68.8	68.6	68 2	67.5	67.4
22.....	61.3	60.4	59.4	58.3	57.1	56.7	56.	55.8	56.	56.3	56.8	57.6
23.....	62.2	61.3	60.8	60.	59.1	58.2	58.	58.1	58.9	59.8	60.6	61.9
24.....	68 3	67.5	66.8	65.9	65.	64.2	64.2	64.6	65.6	66.6	67.5	68.6
25.....	73.9	73.	72.2	71.8	71.	70.2	70.	70.2	70.6	71.4	72.6	73.4
27.....	76.5	76.	75.5	75.1	74.5	74.	73.7	73.5	73,7	73.9	74.	74.8
28.....	75.2	74.8	74.3	73.9	73.2	72.8	72.1	72.	72.	72.6	73.3	74.
29.....	75.2	74.6	74.1	73.5	73.	72.1	71.	71.	71.2	71.5	71.9	72.3
30.....	72.5	71.5	70.5	69.9	69.	68.1	67.6	67.6	67.9	68.6	68.6	68.8
31.....	69.4	69.4	69.6	69.8	69.8	70.1	70.4	70.6	71.1	72.	73.	74.1
Means.....	69.1	68.4	67.8	67.2	66.5	65.9	65.4	65.5	65.8	66.4	66.8	67.5

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Means.
Göttingen time	18 02	19 02	20 02	21 02	22 02	23 02	0 02	1 02	2 02	3 02	4 02	5 02	
Observatory time	12 21½	13 21½	14 21½	15 21½	16 21½	17 21½	18 21½	19 21½	20 21½	21 21½	22 21½	23 21½	
May 1	65.6	67.2	68.6	70.2	71.2	72.	72.4	72.6	72.3	72.	71.5	71.	66.3
2	71.2	71.8	72.	72.	72.	71.7	71.5	70.6	69.9	69.4	69.	68.4	70.3
3	70.	71.1	72.3	73.6	75.5	76.6	77.5	77.2	76.7	76.1	75.3	74.6	70.8
4	72.3	72.8	73.	73.3	73.5	73.9	74.4	73.5	72.7	71.8	70.8	69.7	71.8
6	69.	70 1	71.1	72.1	73.4	73.4	73.4	73.	72.3	71.3	70 2	69.	68.5
7	63.9	64 5	65.1	66.1	67.3	68.4	69.2	69.2	68.8	68.1	67.4	66.9	65.5
8	68.9	70.5	71.6	72.7	73.1	73.7	73.9	73.9	74.	73.9	73.6	73.	68.5
9	68.9	69.2	69.8	70.5	71.5	72.5	73.3	73.3	72.7	72.	71.	69.8	70.4
10	65.6	66.5	67.6	69.	70.3	71.1	70.9	70.3	69.3	68.7	67.9	67.1	66.7
11	65.5	67.	68.3	69.7	71.6	73.4	75.	76.	76.7	76.9	77.	77.	68.7
13	61.3	62.8	63.	64.3	65 6	66.4	66.5	66.3	66.	65.8	65.3	64.8	63.
14	61.	61.4	62.	62 8	64.	65.4	66.3	66.2	65.9	65.4	65.3	65.3	62.9
15	65.4	66.3	67.5	68.6	69.9	71.	71.7	72.	71.7	70.9	70.1	69.2	66.3
16	68.	69.3	71.3	73.	74.7	75.6	76.2	76.6	76.3	76 3	76.	75.6	70.1
17	74.	74.	74.	74.	73.5	73.1	72.8	72.	71.4	71.	70.3	69 3	73.1
18	64.9	65.9	67.	68.1	69.1	70.1	70.8	70.6	69.9	69.3	68.7	67.9	66.8
20	65.4	66.	66.7	68.4	70.3	71.	71.2	71.3	71.3	71.3	71.2	70.9	68.3
21	62.	67.	67.	67.	67.3	67.	66.5	65.3	64.8	64.	63.2	62.3	67.3
22	58.4	59.3	60.2	61.4	62.8	64.	65.	65.4	65.	64.6	63.9	63.	60.2
23	63.4	64.5	66.1	67.7	69.2	70.9	72.	72.2	71.7	70.9	70.2	69.2	64.5

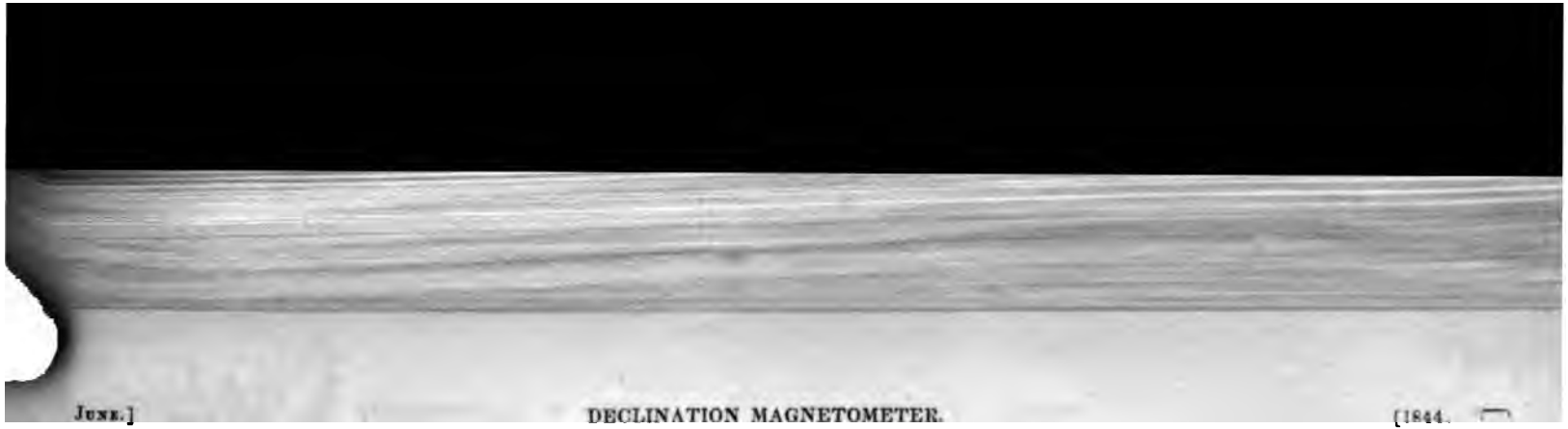
Göttingen time.. Observatory time.	h. m. 6 04 0 28½	h. m. 7 04 1 28½	h. m. 8 04 2 28½	h. m. 9 04 3 28½	h. m. 10 04 4 28½	h. m. 11 04 5 28½	h. m. 12 04 6 28½	h. m. 13 04 7 28½	h. m. 14 04 8 28½	h. m. 15 04 9 28½	h. m. 16 04 10 28½	h. m. 17 04 11 28½
May 1.....	750.4	737.2	727.7	724.2	716.1	705.2	696.8	691.3	694.9	702.9	716.1	728.8
2.....	832.	829.9	822.1	817.8	812.6	809.9	807.5	804.4	806.1	812.4	821.4	825.9
3.....	811.1	804.7	793.3	787.4	786.7	776.	771.2	769.2	770.2	777.4	784.9	795.2
4.....	877.	867.4	856.2	847.2	836.9	827.8	819.1	812.8	810.8	816.1	822.9	832.
6.....	788.2	783.	780.1	774.	767.7	759.5	750.7	741.1	732.2	733.	744.1	765.3
7.....	806.6	787.9	774 1	760.8	746.6	733.6	722.8	716.	712.9	715.2	720.6	722.7
8.....	784.	775.2	757.2	749.	739.3	737.6	717.9	711.7	711.6	723.	744 8	762.1
9.....	652.4	846.	837.6	834.9	830.6	822.5	812.	806.2	802.6	801.5	798.5	798.8
10.....	814 1	800.5	787.3	774.4	758.9	742.	726.7	717.	714.3	719.7	726.2	735.2
11.....	775.8	765.8	758.3	754.2	748.8	743.6	739.1	735.1	732.2	731.	731.7	733.9
13.....	774.	759.7	747.3	735.8	721.7	703.	695.	683.5	679.7	682.8	686.4	692.8
14.....	752.4	742.6	734.7	733.9	722 8	713.8	707.1	701.	694.3	695.5	692.9	692.8
15.....	744.1	740.5	735.1	731.	722.6	714.8	708.1	705.2	703.8	709.4	717.3	728.4
16.....	802.1	791.5	783.6	777.7	771.9	768.	762.1	759.	754.8	759.	763.	766.7
17.....	882.1	877.8	876.	873.7	870.2	866.1	862.	859.5	855.4	855.4	858.4	864.2
18.....	815.8	802.8	792.	784.	772.5	761.8	752.5	742.2	736.	735.9	731.	731.5
20.....	797.7	798.4	792.1	790.4	787.5	782.9	776.1	769.	762.8	759.8	756.1	752.8
21.....	820.4	818.	816.8	814.9	811.9	810.2	810.1	807.3	804.1	803.9	802.	798.
22.....	721.1	707.9	697.3	687.6	675.	663.2	654.8	650.8	647.1	650.7	655.7	660.1
23.....	734.7	721.6	716.9	702.8	689.	679.4	672.4	664.	660.6	665.5	673.2	684.6
24.....	800.2	791.	781.9	777.2	786.6	756.2	747.	744.7	745.	753.7	764.2	763.1
25.....	872.7	863.4	853.3	845.7	837.2	829.8	822.7	820.2	818.8	823.7	827.	835.
27.....	914.1	908.1	899.	892.9	885.	877.3	869.2	866.	862.	854.4	867.9	870.3
28.....	888.5	881.6	875 5	872.9	867.8	859.2	852.2	847.8	841.1	841.8	846.1	853.1
29.....	898.8	882.8	875.2	871.9	865.4	857.2	845.	831.7	825.7	829.5	833.5	838.1
30	861.7	851.	838.4	831.	812.9	801.8	791.7	786.4	781.2	787.4	792.9	796.3
31.....	793.1	793.6	793.	797.6	798 8	800.4	803.6	806.6	810.5	819.3	830.6	847.6
Means.....	813.5	804.8	796.7	790.6	783.1	774.2	766.5	761.1	758.3	761.6	767.	774 3
Reduced to 32° F.	300.1	298.1	296.8	303.3	303.9	301.7	299.4	292.7	287.1	281.7	282.3	274.4

Göttingen time.. Observatory time.	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
May 1.....	744.9	763.7	780.8	793.3	806.5	816.9	825.7	832.9	836.7	840.	836 5	833.5	762.6	288 8
2.....	828.4	833.7	836 1	836.9	840.2	837.	833.1	830 3	823.8	822.3	815.3	810.9	822.9	297.7
3.....	805.2	820.5	836.	844.8	853.2	866.7	880.7	891.1	893.	889.6	885.4	880.5	823.9	288.
4.....	841.2	850.8	859.7	857.3	859.1	858.7	860.9	860.5	855.3	846.1	838.2	831.1	843.6	291.4
6.....	780.4	794.3	807.5	818.1	830.9	840.3	846.6	849.7	815.2	838.3	832.2	822.4	792.6	289.2
7.....	725.5	729.7	734.7	744.2	755.2	765.7	776.8	782 8	784.	781.1	785.5	791.3	753.2	286.1
8.....	779.4	793.8	813.	824.	832.9	836.3	845.	834.8	852.5	854.8	857.9	855.	787.2	282.5
9.....	802.1	804 9	810.6	813.4	820.4	825.2	833.5	810.7	842.	838.7	833.	825.	822.2	289.
10.....	745.8	755.	803.2	788.3	801 2	809.8	816.5	814 7	807.	797.8	793.7	784.4	772.2	290.3
11.....	741.6	755.	768.	781.2	797.3	819.7	842.1	861.7	873.8	883.6	889.9	894.5	785.9	278.9
13.....	697.	703.	714.6	722.3	735.9	748.5	758.	761.5	760.9	758.	755.	753.7	726.3	291.7
14.....	692.5	693.3	700.9	704.4	708.9	718.	733.	741.4	742.	750.8	755.9	750.2	715.6	286.2
15.....	738.	748.5	762.1	771.9	782.6	792.9	801.4	810.7	815.2	816.1	814.8	811.9	755 2	282.7
16.....	770.5	783.8	803.4	822.4	841.	858.2	871.	879.5	883.	884.	885.9	885.2	809.5	281.7
17.....	867.9	869.9	876.1	874.	869.4	865.2	861.2	855 4	847.5	838.8	832 2	826.4	861.9	293.6
18.....	736.3	745.5	786.9	774.	786.8	792.6	800.2	804.8	805.3	799.8	795.	792.	774.	290.6
20.....	750.1	752.6	759.6	762.6	778.4	795.1	807.8	815.2	818.8	818.9	819.8	821.1	788.6	291.7
21.....	793.6	790.7	790.6	787.8	785.1	778.	792.7	765.	758.2	748.1	739.4	732.	790.8	295.2
22.....	670.5	672.8	619.6	699.2	712.7	720.8	725.1	725.	727.2	733 9	730.	747.6	689.8	284.8
23.....	699.7	715.1	731.5	749.8	767.9	782.5	798.6	813.5	818.7	817.8	811.8	806.9	732.4	284 3
24.....	787.1	802.7	774.2	836.6	853.7	865.9	879.6	889.4	890.8	890.1	889.3	879.1	811.3	283.5
25.....	848.	860.4	877.1	890.5	898.7	909.3	923 1	931.9	932.	929.7	928.1	926.9	871.	283.8
27.....	877.9	884.1	889.9	893.2	893.6	896.7	889.4	900.6	898.8	896.1	891.1	890.7	885.3	283.2
28.....	861.8	870.	879.9	890.8	901.2	911.3	924.6	930.5	929.8	922.	918.9	914.6	882.6	283.1
29.....	843.3	847.7	826.	869.4	881.3	890.	893.	892.5	885.	879.4	876.3	870.6	862.9	282.4
30.....	793.4	793.7	785.9	782.5	780 8	780.	781.3	782 1	783.8	785.1	788.	794.5	799.	285.5
31.....	859.6	861.2	864.4	864.1	865.8	868.1	871.	870.	861.4	853.9	848.8	845.	834.5	278.4
Means.....	780.8	788.8	796.	807.3	816.3	824.1	832.3	835.8	836.	833.9	831.1	828.8	796.4	
Reduced to 32° F.	271.8	269.1	266.9	268.6	269.6	270.6	274.8	283.6	289.3	289.9	292.4	299.7		286.8

Göttingen time.. Observatory time	h. m. 6 04 0 23½	h. m. 7 04 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
May 1	64 7	63.8	63.	62.2	61.6	61.	61.1	61.7	62.3	63.3	64.3	65.6
2	71.	70.8	70 5	70.	69 8	69.4	69.4	69.6	70.3	70.9	71.2	71.4
3	68.6	68.3	68.	67.5	67.1	67.	66.8	67.	67.	68.5	69.3	70.6
4	74.4	73.7	73.	72.2	71.4	70.9	70.5	70.3	70.8	70.6	72.4	73.1
6	68.1	67.8	67 2	66.8	66.1	65.7	65.1	64.7	64.6	65.6	67.3	68.7
7	68.8	67.7	66.7	65.4	64.6	63.9	63 2	63.2	63.8	64.1	64.1	64.6
8	66.9	66.2	65.5	64.6	64.	63 3	63.	63.1	64.5	65.6	67.2	68.9
9	73.	72.5	72.	71.5	71.	70.3	70.	70.	69.6	69.8	69.8	70.2
10	69.8	69.9	67.8	66.6	65.4	64.1	63.7	63.7	64.1	65.	65.4	66.2
11	67.1	66.6	66.3	66.	65.6	65.2	65.2	64.9	65.	65.3	64.9	66.4
13	66.3	65.5	64.6	63 5	62.5	61.4	60.7	60.4	60.6	61.	61.4	62.
14	65.	64.6	64.	63.2	62.8	61.2	61.9	61.5	61.5	61.5	61.4	61.8
15	65.3	65.	64.6	64.	63.4	62.9	62.5	62.4	63.	64.	64 8	65.7
16	69.2	68.3	68.	68.	67.	66.6	66.3	66.3	66.4	67.	67.3	68.
17	75.7	75.3	75.2	74.9	74.5	74.1	73.9	73.6	73.8	74.3	74.6	74.9
18	69.6	69.	68.3	67.2	66.6	66.	65.	64.7	64.7	64.5	64.6	65.4
20	69.2	69.2	69.	68.5	68.2	67.7	67.1	66.8	66.5	66.3	66.	66.2
21	71.	71.	70.8	70.5	70.2	70.2	70.	69.6	69.5	69.8	69.4	69.2
22	62.8	62.	61.2	60.	59.1	58.3	58.	57.8	58 3	58.5	59.3	60.2
23	63 1	62.4	61.8	61.1	60.2	59.6	59.3	59.3	59.8	60.7	61.7	63.
24	68.8	68.1	67.4	66.6	65.9	65.1	65.	65.5	66.3	67.2	68.1	69.3
25	74.3	73.7	73.	72.5	72.	71.3	71.	71.	71.3	72.	72.	74.3
27	77.2	77.	76.6	76.	75.3	75.	74.9	74.6	74.9	75.3	75.2	76.4
28	76.1	75.6	75.3	74.9	74.1	73.8	73.2	73.	72.9	73.4	74.	75.8
29	76.	75.5	75.1	74 5	74.	73.2	72.3	71.9	72.3	72.7	73.	73.7
30	73.5	72.6	71.7	71.1	70.1	69 4	69.	69.1	69.6	70.2	70.	70.
31	70.	70.2	70.4	70.4	70 6	71.7	71.1	71.4	72 2	72.7	74.7	75.3
Means	69.8	69.3	68.8	68.1	67.5	67.	66.6	66.7	66.9	67.4	67.9	68.8

Göttingen time..... / Observatory time.....	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.
May 1	67.1	69.3	69.6	71.2	72.	72.6	72.8	72.8	72.8	72.3	72.	71.5	67.1
2	72.5	72.3	72.8	72.8	72.6	72.3	71.6	71.	70.6	70.2	69.8	69.3	70.9
3	71.8	73.	73.5	74.4	76.	77.1	77.7	77.1	76.8	76.3	75.9	75.3	71.7
4	74.	75.9	74.6	74.6	74.5	74.7	75.	74.	73.3	72.7	71.8	70.8	72.9
6	69.6	71.	71.9	72.9	73.8	73.7	74.	73.1	72.7	72.	71.	70.	69.3
7	65.3	66.	66.8	67.8	68.4	69.1	69.5	69.2	69.	68.6	68.	67.6	66.6
8	70.2	71.7	72.6	73.4	73.9	74.3	74.4	74.3	74.4	74.4	74.2	73.7	69.4
9	70.6	71.2	71.5	72.2	72.8	73.3	73.8	73.5	73.	72.5	71.7	69.7	71.5
10	67.3	68.5	70.8	70.8	71.7	72.	71.3	70.4	69.9	69.2	68.7	66.8	67.7
11	67.4	68.8	69.5	70.7	72.4	74.	75.4	76.	76.9	77.1	77.3	77.3	69.6
13	63.	64.	64.8	65.7	66.9	67.2	67.2	67.	66.8	66.6	66.2	65.7	64.2
14	61.9	63.3	63.3	63.6	64.7	65.8	66.7	66.2	66.1	66.	66.	66.	63.8
15	66.7	67.8	68.5	69.5	70.7	71.2	71.6	71.9	71.6	71.1	70.6	69.8	67.
16	69.5	71.3	72.3	74.9	75.2	76.	76.5	76.6	76.6	76.7	76.5	76.1	71.1
17	75.2	76.	76.	75.	74.7	74.3	73.7	73.	71.6	72.2	71.6	70.7	74.1
18	66.6	67.4	69.4	69.7	70.	70.6	70.9	70.5	70.	69.8	69.2	68.6	67.8
20	66.6	67.3	67.5	68.7	70.4	71.	71.3	71.4	71.6	71.7	71.7	71.4	68.8
21	69.	69.4	68.8	68.8	68.5	68.2	67.6	66.5	66.	65.3	64.8	64.	68.7
22	60.6	61.5	63.5	64.8	65.4	66.	66.3	66.	65.6	65.	64.5	63.9	62.
23	64.5	66.	67.1	68.7	69.7	70.9	72.	71.8	71.2	70.8	70.3	69.7	65.2

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
May 1.....	564.5	563.5	564.6	1074.2	1076.5	1076.7	61.3	694.2	694.9	695.6	62.3
2.....	558.9	558.2	558.9	1078.6	1078.2	1079.5	69.2	805.8	806.1	806.6	70.3
3.....	565.1	565.	565.2	1076.7	1077.2	1078.3	66.5	769.9	770.2	770.5	67.
4.....	560.5	560.9	561.	1080.	1080.8	1082.3	70.2	810.8	810.8	811.	70.8
6.....	558.1	558.5	558.2	1058.9	1057.9	1058.7	63.4	732.3	732.2	731.3	64.6
7.....	553.	553.	552.5	1053.8	1055.7	1056.2	62.9	712.6	712.9	712.9	63.8
8.....	547.9	547.8	547.6	1065.2	1066.1	1066.2	63.8	711.	711.6	712.	64.5
9.....	558.3	558.5	557.6	1089.3	1090.7	1087.7	68.7	802.9	803.6	803.9	69.6
10.....	551.	550.9	550.4	1049.9	1048.3	1046.5	63.	714.1	714.3	714.2	64.1
11.....	549.	548.9	548.9	1070.8	1071.7	1072.6	63.9	731.3	732.2	731.4	65.
13.....	553.1	553.3	552.5	1043.3	1044.3	1045.3	59.7	680.9	679.7	679.9	60.6
14.....	558.2	557.3	556.6	1052.4	1053.8	1057.3	60.4	695.3	694.3	694.1	61.5
15.....	554.4	554.7	554.9	1057.5	1056.	1057.6	62.2	703.3	703.8	703.	63.
16.....	556.3	556.1	553.7	1075.2	1075.9	1076.4	63.3	755.	754.8	754.8	66.4
17.....	558.	557.8	558.	1097.4	1097.3	1097.9	72.8	855.5	855.4	854.9	73.8
18.....	552.2	551.	550.8	1067.3	1069.	1068.6	63.5	736.4	736.	736.	64.7
20.....	557.5	557.8	557.9	1066.	1066.7	1065.5	65.6	763.3	762.8	762.3	66.5
21.....	557.9	557.1	557.3	1076.6	1077.	1078.	68.6	804.3	804.1	803.6	69.5
22.....	552.3	552.5	553.	1033.5	1031.9	1029.6	56.	647.2	647.1	646.7	58.3
23.....	555.2	555.	553.5	1060.2	1061.6	1062.6	58.8	661.	660.6	660.7	59.8
24.....	550.	550.2	549.3	1086.	1087.2	1089.5	65.6	744.5	745.	745.3	66.3
25.....	554.8	554.3	554.1	1094.4	1093.6	1093.3	70.6	818.4	818.8	818.9	71.3
27.....	553.5	553.1	552.5	1101.4	1101.3	1102.6	73.7	862.	862.	862.1	74.9
28.....	558.6	558.2	557.7	1097.9	1097.6	1098.6	72.	841.8	841.1	840.5	72.9
29.....	555.9	555.5	554.8	1087.2	1088.2	1088.9	71.2	826.	825.7	826.	72.2
30.....	555.7	555.6	555.1	1075.8	1077.2	1077.5	67.9	784.4	784.2	784.1	69.6
31.....	558.9	558.7	558.	1096.	1096.6	1098.4	71.1	810.1	810.5	811.5	72.2



Göttingen time... / Observatory time .	h. m. 6 00 0 19½	h. m. 7 00 1 19½	h. m. 8 00 2 19½	h. m. 9 00 3 19½	h. m. 10 00 4 19½	h. m. 11 00 5 19½	h. m. 12 00 6 19½	h. m. 13 00 7 19½	h. m. 14 00 8 19½	h. m. 15 00 9 19½	h. m. 16 00 10 19½	h. m. 17 00 11 19½
June 1.....	518.6	553.1	551.5	549 8	553.4	556.9	559.3	563.4	558.1	553.1	548.5	542.5
3.....	549.3	547.7	546.2	548.1	549.5	552.6	557.3	560.5	558.7	554.	549.7	545.
4.....	549.5	547.9	547.1	546.5	548 3	552.6	555.6	557.9	560.6	556.7	550.8	545.5
5.....	546.6	546.	546.7	547.7	547.4	549.7	551.7	556.	556.4	555.1	549.2	544.1
6.....	546.8	547.5	547.4	548.2	549.9	551.7	556.8	558.9	560.	555.8	549.3	544.5
7.....	549.9	549.6	549.7	551.4	553.5	554.7	554.4	557.7	556.4	553.2	545.7	540.4
8.....	549.1	549.7	549.4	550.1	552.5	553.8	558.8	558.	557.1	555.	549.4	543.7
10.....	542.6	544.4	545.7	544.3	545.4	544.	545.	552.8	554.2	551.6	545.5	537.6
11.....	545.1	546.5	546.2	537.9	547.	550.7	557.8	559.1	558.7	554.8	549.	541.9
12.....	547.	547.6	546.9	543.7	548.2	552.3	557.1	557.4	556.5	553.7	546.4	542.
13.....	553.6	547.9	548.5	546.4	553.1	555.5	562.5	567.	564.	556.9	548.7	538.4
14.....	545.2	546.5	546.7	548.	550.1	552.6	555.6	561.2	563.1	558.	548.2	541.1
15.....	547.7	546.5	546.8	546.9	547.1	551.2	555.	555.2	554.9	551.6	548.9	544.6
17.....	547.8	549.6	551.4	559.3	557.	558.	562.	555.5	557.9	551.8	544.3	535.
18.....	554.	554.3	550.	558.1	558.6	560.4	566.6	560.4	560.8	555.7	552.9	544.8
19.....	552.	550.3	550.8	551.4	550.6	554.6	558.8	557.5	558.8	555.5	546.	540.4
20.....	549.6	549.5	549.7	551.3	553.9	555 7	558.	557.7	557.6	553.4	546.	541.
21.....	545.1	552.6	552.8	547.4	550.2	554.5	561.8	563.	558.4	554.5	549.9	542.4

Göttingen time Observatory time	*h. m.* 18 00 12 19½	*h. m.* 19 00 13 19½	*h. m.* 20 00 14 19½	*h. m.* 21 00 15 19½	*h. m.* 22 00 16 19½	*h. m.* 23 00 17 19½	*h. m.* 0 00 18 19½	*h. m.* 1 00 19 19½	*h. m.* 2 00 20 19½	*h. m.* 3 00 21 19½	*h. m.* 4 00 22 19½	*h. m.* 5 00 23 19½	Means.
June 1	538.3	533.	534.	538.7	542.8	544.	545.4	547.4	542.9	*579.1	548.6	552.	549.3
3	542.8	538.1	537.3	538.4	541.5	545.	547.8	548.9	548.2	548.3	547.9	547.7	547.9
4	539.9	537.3	538.8	541.	541.5	546.9	548.9	549.1	548.2	547.5	546.8	546.4	548.1
5	537.2	536.	536.	537.8	540.8	544.8	543.6	546.7	546.1	546.7	546.	547.8	546.2
6	542 9	541.3	540.9	541.1	542.1	543.8	545.2	548.8	548.	548.9	549.7	548.3	548.2
7	537.7	540.1	541.7	542.5	543.4	544.8	545.6	546.4	546.4	545.9	548.	548.	547.8
8	538.6	537.6	539.3	542.5	541.5	544.4	545.6	546.7	544.	544.5	545.5	547.8	547.5
10	535.2	533.4	536.3	537.	541.9	544.	542.8	544.7	546.2	558.2	546.8	544.5	544.4
11	535.3	534.	534.6	542.	543.7	544.1	544.9	544.6	545.1	545.4	551.3	552.2	546.2
12	537.6	532.9	535.5	536.9	541.6	543.5	545.9	545.	544.3	548.5	549.9	553.8	546.4
13	533.4	531.8	533.	537.2	542.7	545.3	546.1	545.3	546.4	544.9	545.5	545.6	547.3
14	535.8	532.5	536.8	540.9	545.5	546.5	546.3	546.2	546.	546.	545.5	546.	547.1
15	540.8	537.5	537.3	537.3	542.5	546.8	547.	547.3	547.4	545.2	545.	545.	546.4
17	533.1	532.4	538.3	539.1	544.9	547.4	545.8	547.4	566.2	551.2	549.9	549.9	548.9
18	539.5	536.9	537.4	539.2	543.	546.8	546.9	545.	547.	547.5	553.9	551.7	550.5
19	538.1	537.2	539.1	529.5	540.2	545.7	546.6	546.9	546.1	547.3	546.4	548.4	547.4
20	535.7	536.1	537.5	540.	545.2	549.3	546.6	545.9	548.	553.3	551.7	560.3	548.8
21	535.6	533.7	533.9	531.4	541.5	540.8	541.1	543.9	547.9	544.8	545.	548.5	546.7
22	539.7	540.2	540.2	541.	543.4	546.	544.9	544.	545.	544.1	544.4	545.3	547.9
24	532.3	534.1	534.3	536.4	539.	542.	543.7	542.9	543.2	545.4	545.1	548.8	546.5
25	538.7	537.9	539.6	540.9	543.	543.8	545.9	546.	546.1	543.1	545.6	548.5	547.8
26	535.2	537.2	536.1	538.3	539.2	543.3	543.6	545.4	546.1	546.	548.2	548.7	547.2
27	540.9	541.2	542.5	545.7	545.8	546.9	545.7	545.2	544.9	548.	548.3	548.4	548.5
28	534.5	531.8	531.1	533.7	540.9	543.9	543.1	546.7	547.9	545.3	555.4	560.8	547.7
29	535.1	535.3	541.4	544.9	551.5	551.3	550.9	547.1	552.7	548.6	549.1	550.8	550.
Means	537.4	535.	537.3	539.3	542.8	545.2	545.6	546.2	547.3	546.9	548.	549.4	547.6

* See disturbance observations.

...an time... / ...atory time.	A. m. 6 02 / 0 21½	A. m. 7 02 / 1 21½	A. m. 8 02 / 2 21½	A. m. 9 02 / 3 21½	A. m. 10 02 / 4 21½	A. m. 11 02 / 5 21½	A. m. 12 02 / 6 21½	A. m. 13 02 / 7 21½	A. m. 14 02 / 8 21½	A. m. 15 02 / 9 21½	A. m. 16 02 / 10 21½	A. m. 17 02 / 11 21½
June 1	1083.6	1073.1	1073.6	1073.8	1073.2	1071.9	1071.3	1070.9	1074.8	1068.1	1071.8	1079.4
2	1098.7	1093.	1087.9	1095.1	1094.3	1089.7	1086.3	1079.5	1081.8	1080.6	1081.8	1081.8
4	1083.6	1079.9	1078.6	1076.4	1079.5	1078.1	1071.9	1075.4	1078.5	1079.4	1079.8	1081.7
5	1071.3	1068.3	1068.8	1069.5	1070.4	1065.8	1063.8	1064.9	1060.1	1060.8	1068.6	1069.1
6	1080.6	1075.5	1070.1	1069.1	1068.7	1067.1	1064.	1068.3	1078.1	1068.1	1067.	1068.5
7	1085.6	1084.2	1082.9	1081.	1077.6	1077.8	1068.7	1067.8	1060.1	1069.8	1069.8	1069.8
8	1103.5	1099.2	1097.3	1090.6	1090.1	1089.9	1077.1	1080.6	1071	1074.5	1076.4	1070.9
10	1091.8	1089.3	1086.1	1083.9	1085.4	1083.6	1067.7	1068.	1060.8	1069.7	1064.8	1067.8
11	1074.3	1069.8	1067.6	1066.8	1060.8	1060.7	1060.8	1060.6	1060.8	1068.8	1060.4	1061.6
12	1072.2	1067.	1067.	1070.5	1068.1	1065.4	1064.	1059	1068.6	1068.4	1064.8	1060.7
13	1083.4	1073.2	1075.2	1076.7	1076.6	1062.8	1060.4	1060.9	1067	1071.9	1073.7	1060.8
14	1069.7	1067.1	1066.	1062.8	1060.9	1065.6	1063.4	1064.1	1068.1	1070.8	1077.8	1070.6
15	1072.1	1070.8	1067.9	1066.6	1065.4	1060.8	1060.8	1067.8	1076.4	1078.4	1077.6	1060.8
17	1075.6	1072.6	1064.1	1071.6	1062.8	1068.4	1064.9	1079.6	1068.6	1068	1104.7	1101.8
18	1105.2	1100.4	1096.9	1091.6	1089.7	1084.	1065.8	1060.6	1104.8	1109.1	1113.8	1100.6
19	1120.7	1118.5	1118.6	1110.9	1111.4	1109.6	1111.1	1101.4	1104.8	1109.7	1108.8	1141.6
20	1128.7	1123.4	1118.5	1117.8	1115.8	1111.1	1113.8	1113.6	1113.6	1108	1108.9	1108.9
21	1098.	1101.1	1102.1	1114.8	1110.8	1109.	1109.8	1105.4	1110.9	1108.9	1117.8	1113.7
22	1110.8	1108.6	1110.3	1109.3	1106.3	1102.6	1101.8	1103.1	1106.3	1106.8	1110.8	1109.6
24	1092.4	1087.8	1088.9	1090.5	1091.6	1088.8	1084.8	1093.7	1103	1102.7	1113.9	1109
25	1104.	1106.	1097.7	1105.6	1106.	1102.	1091.5	1096.1	1097.9	1100.6	1113.8	1111.
26	1104.9	1114.	1118.8	1115.1	1130.3	1113.7	1099.5	1111.8	1110.8	1108.4	1119.4	1108
27	1133.	1130.	1126.9	1125.4	1131.9	1117.6	1110.1	1110.1	1109.1	1109.8	1108.6	1104.8
28	1136.8	1131.7	1130.3	1129.	1127.	1124.9	1108.1	1109.5	1107.7	1108.	1109.8	1108.
29	1120.5	1120.7	1117.9	1118.8	1104.5	1101.6	1108.1	1107.9	1100.1	1108.	1101.7	1108.7
Means	1096.5	1093.	1089.6	1091.5	1090.1	1086.9	1084.8	1088.7	1093.7	1090.8	1090.6	1090.8
Reduced to 32° F.	1015.1	1012.2	1010.	1013.3	1013.9	1011.8	1010.	1013.9	1017.8	1013.8	1060.4	1013.7

1576

Göttingen time.. Observatory time.	*h. m.* 18 02 12 21½	*h. m.* 19 02 13 21½	*h. m.* 20 02 14 21½	*h. m.* 21 02 15 21½	*h. m.* 22 02 16 21½	*h. m.* 23 02 17 21½	*h. m.* 0 02 18 21½	*h. m.* 1 02 19 21½	*h. m.* 2 02 20 21½	*h. m.* 3 02 21 21½	*h. m.* 4 02 22 21½	*h. m.* 5 02 23 21½	Means.	Reduced to 32° F.
June 1.....	1069.5	1067.1	1055.	1056.1	1056.	1063.7	1066.2	1065.9	1084.8	*1087.9	1093.	1092.5	1072.6	990.
3.....	1082.7	1083.7	1085.9	1084.2	1082.4	1083.6	1080.5	1083.1	1089.	1086.5	1084.9	1083.4	1086.6	1006.8
4.....	1075.2	1073.2	1069.2	1064.4	1072.4	1069.6	1073.5	1074.9	1072.9	1074.2	1075.	1074.	1075.2	1005.6
5.....	1064.1	1062.2	1068.4	1065.2	1069.7	1063.9	1071.2	1079.4	1082.8	1081.9	1082.8	1082.3	1068.6	1000..
6.....	1077.8	1077.1	1081.3	1087.3	1085.2	1088.1	1085.7	1087.5	1088.5	1088.2	1086.5	1082.9	1079.8	1004.
7.....	1087.4	1087.5	1085.8	1090.6	1100.4	1105.3	1105.1	1102.2	1102.9	1106.	1106.	1107.1	1090.9	1002.5
8.....	1066.2	1058.	1053.4	1054.8	1067.6	1057.8	1060.3	1065.5	1079.7	1068.3	1058.4	1069.3	1074.4	994.2
10.....	1084.4	1082.1	1069.5	1074.1	1063.4	1081.1	1091.1	1085.5	1093.	1094.9	1087.6	1080.8	1086.6	1002.4
11.....	1056.9	1051.3	1041.2	1047.7	1055.7	1055.5	1064.8	1067.	1061.	1066.2	1067.	1070.3	1061.1	993.1
12.....	1061.3	1060.8	1054.9	1053.4	1052.6	1069.3	1073.	1069.8	1068.9	1066.5	1070.8	1075.8	1064.2	996..
13.....	1080.	1076.2	1072.2	1067.9	1066.3	1067.	1070.	1070.9	1075.4	1071.	1066.5	1066.	1071.4	1004.2
14.....	1069.2	1064.7	1053.1	1048.3	1056.9	1064.2	1072.6	1072.1	1072.8	1074.5	1072.6	1075.	1065.6	1002..
15.....	1067.6	1063.5	1066.3	1060.9	1066.5	1065.9	1069.5	1067.5	1065.9	1066.5	1066.4	1066.5	1067.5	1000.5
17.....	1086.9	1097.6	1085.3	1089.6	1092.5	1076.8	1088.7	1096.	1086.4	1092.	1101.4	1091.6	1084.2	1011.2
18.....	1124.5	1117.5	1104.5	1105.6	1099.2	1121.	1126.5	1120.9	1113.4	1120.6	1117.1	1125.5	1107.8	1017.2
19.....	1140.1	1128.5	1118.4	1117.	1121.1	1119.7	1121.	1128.8	1128.8	1128.1	1125.2	1125.5	1123.2	1024.8
20.....	1121.	1112.	1095.	1100.2	1101.2	1094.7	1105.5	1100.9	1102.9	1107.3	1117.3	1108.6	1113.9	1018.5
21.....	1116.3	1103.9	1101.5	1116.2	1097.5	1105.9	1116.1	1119.1	1117.9	1115.1	1111.6	1108.1	1109.3	1022.1
22.....	1104.6	1096.	1097.1	1091.7	1091.9	1091.	1091.8	1094.8	1089.9	1090.3	1089.	1085.1	1099.7	1020.3
24.....	1104.2	1099.9	1095.5	1090.7	1087.4	1094.7	1099.	1106.	1104.9	1105.5	1105.5	1104.2	1097.5	1014.7
25.....	1109.	1107.4	1105.4	1104.9	1106.5	1114.7	1114.3	1111.2	1111.9	1117.5	1114.4	1119.1	1107.2	1017.4
26.....	1124.6	1121.6	1124.5	1123.5	1126.3	1125.7	1135.3	1139.6	1137.	1137.	1139.5	1137.6	1128.1	1025.1
27.....	1133.2	1125.2	1129.2	1115.8	1123.7	1126.4	1140.6	1145.5	1141.	1136.8	1132.3	1136.9	1129.1	1027.9
28.....	1122.3	1121.	1123.4	1115.7	1119.9	1117.4	1119.	1124.4	1119.7	1126.7	1126.6	1123.4	1125.4	1022.6
29.....	1119.8	1117.7	1103.2	1106.5	1105.1	1108.8	1104.8	1109.9	1110.3	1113.1	1113.3	1099.3	1117.6	1027.
Means.....	1094.7	1088.6	1085.6	1085.	1086.7	1089.3	1094.	1095.5	1096.1	1096.9	1096.4	1095.7	1092.	
ced to 32° F.	1013.3	1005.6	1001.	998.8	998.9	1000.3	1004.6	1006.7	1008.7	1010.7	1015.6	1012.5		1010.2

* See disturbance observations.

Göttingen time... / Observatory time.	h. m. 6 02 / 0 21½	h. m. 7 02 / 1 21½	h. m. 8 02 / 2 21½	h. m. 9 02 / 3 21½	h. m. 10 02 / 4 21½	h. m. 11 02 / 5 21½	h. m. 12 02 / 6 21½	h. m. 13 02 / 7 21½	h. m. 14 02 / 8 21½	h. m. 15 02 / 9 21½	h. m. 16 02 / 10 21½	h. m. 17 02 / 11 21½
June 1	71.	70.	69.2	68.7	68.1	67.1	66.3	66.1	67.	68.1	69.	70.1
3	74.9	74.	73.1	72.3	71.5	70.6	69.8	69.3	69.	69.0	69.5	70.
4	70.8	69.8	68.9	68.2	67.4	66.8	66.2	66.	65.9	65.6	65.6	65.6
5	65.2	64.6	64.1	63.4	62.8	62.	61.5	61.4	61.7	62.5	63.0	64.3
6	68.4	67.6	66.7	66.1	65.1	64.4	64.3	64.6	65.3	66.2	67.1	68.
7	74.2	73.7	73.2	72.8	72.1	72.	71.5	71.5	71.9	72.9	74.	75.1
8	77.3	76.	74.8	73.4	73.	72.	70.6	70.3	69.6	69.6	69.6	69.4
10	74.7	74.3	74.	73.5	73.	72.3	72.2	72.6	73.2	73.6	74.	74.3
11	71.	69.3	68.	66.2	66.7	65.3	64.4	63.2	61.9	61.6	62.1	63.
12	67.	66.	64.9	63.9	63.	62.	61.3	61.2	61.4	62.2	63.3	64.
13	67.	66.2	65.7	64.9	64.2	63.7	63.3	63.6	64.4	65.3	66.1	66.9
14	62.5	62.2	61.9	61.3	61.	60.6	60.2	60.2	60.7	61.	61.	61.4
15	67.	65.1	64.4	63.7	62.8	62.2	61.9	62.1	62.9	63.6	64.1	65.
17	66.1	65.5	65.	64.6	64.1	63.9	63.9	64.	64.6	65.5	66.6	67.9
18	72.8	72.5	72.2	72.	71.8	71.5	71.5	72.1	73.2	74.4	75.8	77.1
19	79.5	79.	78.6	78.	77.4	76.9	76.9	77.4	78.	79.	80.	81.
20	81.9	79.9	79.1	78.8	78.	78.	77.8	77.9	78.	79.3	79.5	80.3
21	76.7	76.3	75.7	75.5	75.1	74.8	74.4	74.1	74.	74.1	73.4	73.1

Göttingen time Observatory time	*h. m.* 18 02 12 21½	*h. m.* 19 02 13 21½	*h. m.* 20 02 14 21½	*h. m.* 21 02 15 21½	*h. m.* 22 02 16 21½	*h. m.* 23 02 17 21½	*h. m.* 0 02 18 21½	*h. m.* 1 02 19 21½	*h. m.* 2 02 20 21½	*h. m.* 3 02 21 21½	*h. m.* 4 02 22 21½	*h. m.* 5 02 23 21½	Means.
June 1	71.5	72.	73.2	74.2	75.3	76.3	76.8	75.3	74.3	73.5	73.1	72.3	71.3
3	70.6	71.3	72.1	72.9	74.3	74.	74.	74.	73.6	73.2	72.4	71.7	71.9
4	65.4	65.4	65.7	66.	66.5	67.3	67.4	67.5	67.1	66.9	66.3	65.8	66.8
5	65.	66.2	67.2	69.	70.2	71.	71.7	72.	71.2	70.8	70.1	69.3	66.3
6	69.1	69.7	71.	72.3	73.6	75.	75.7	75.9	75.6	75.3	75.	74.6	69.9
7	76.4	77.7	78.7	80.2	81.	81.5	81.2	80.4	80.3	79.9	79.1	78.3	76.2
8	69.2	69.5	70.2	71.1	72.6	73.7	74.3	74.8	73.9	73.2	72.3	71.3	72.1
10	74.5	75.	75.	75.1	75.9	76.6	77.2	77.2	75.2	74.7	73.7	72.3	74.1
11	64.	64.5	65.6	66.9	68.4	70.	70.8	71.2	70.4	69.5	68.7	67.9	66.
12	65.	66.	67.	68.3	70.	71.2	71.7	71.6	70.3	69.6	68.7	67.9	66.1
13	67.4	67.6	67.7	67.5	67.4	67.	66.6	65.4	64.8	64.1	63.7	63.1	65.6
14	62.	62.9	63.6	65.3	66.8	67.8	68.2	67.8	67.8	67.7	67.2	66.6	63.8
15	66.	66.7	67.2	67.3	68.2	68.4	67.7	66.7	66.7	66.3	65.9	65.2	65.5
17	68.6	69.3	70.1	70.9	71.9	72.8	73.6	73.4	73.3	73.3	73.3	73.1	68.5
18	78.	79.4	80.2	81.3	82.2	83.1	83.7	83.5	82.9	82.1	81.6	80.6	77.3
19	82.1	83.4	83.8	84.6	85.3	85.2	85.	85.	84.3	83.8	83.2	82.8	81.2
20	81.	81.3	81.3	79.8	79.1	79.3	79.2	78.8	78.7	78.4	77.9	77.3	79.2
21	73.8	74.8	75.5	76.4	76.9	77.9	78.	77.1	77.1	76.8	76.3	75.7	75.6
22	71.	72.5	73.3	74.	73.6	73.4	72.5	71.5	70.2	69.	67.9	66.9	71.7
24	73.6	74.5	75.5	76.9	78.	78.9	79.4	79.2	78.3	77.4	76.7	75.3	73.4
25	77.5	78.7	80.	81.	81.	81.4	81.5	81.2	80.9	80.2	79.7	78.9	76.9
26	82.5	83.5	84.8	85.9	86.5	87.2	87.4	86.5	85.1	84.4	82.8	81.3	81.
27	83.3	84.4	86.	86 8	87.5	88.2	88.1	87.4	86.8	86.1	85.4	84.7	82.6
28	84.1	84.2	84.8	85.3	85.6	85.8	85.8	85.6	84.9	83.6	82.3	80.6	83.4
29	75.8	76.5	77.2	77.9	78.6	79.2	79.7	80.	79.4	78.4	77.6	76.8	77.3
Means	72.7	73.5	74.3	75.1	75.9	76.5	76.7	76.4	75.7	75.1	74.4	73.6	72.9

Göttingen time.. Observatory time.	h. m. 6 04 0 23½	h. m. 7 04 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
June 1.....	840.1	829.6	818.	810.1	801.7	791.8	784.2	773.4	768.2	772.0	783.8	793.8
3.....	883.1	873.	864.1	856.2	845.	834.2	824.	813.3	808.4	805.2	807.7	811.2
4.....	836.1	824.3	811.7	802.5	791.3	781.4	772.	760.2	761.1	767.1	768.0	781.6
5.....	752.3	743.9	737.1	732.2	724.6	715.1	706.	700.9	700.7	704.0	709.7	717.2
6.....	799.2	789.1	778.5	770.2	760.4	748.2	739.0	736.	736.1	741.6	751.0	764.1
7.....	867.7	861.8	857.6	856.	851.0	846.5	841.3	838.	837.	842.1	850.2	862.8
8.....	926.9	913.1	896.9	878.3	866.5	859.3	848.2	830.6	830.	819.5	819.4	807.6
10.....	867.	863.5	861.1	859.7	855.6	850.6	846.7	843.8	840.2	851.9	859.2	860.2
11.....	844.4	825.2	807.7	793.1	774.4	751.6	732.8	721.9	716.4	711.3	709.2	710.2
12.....	778.9	769.	756.	743.4	730.3	717.5	709.4	702.4	698.1	696.9	702.6	714.
13.....	781.	769.	760.9	753.2	746.2	738.7	731.6	727.9	728.9	737.5	747.4	755.8
14.....	716.4	711.4	706.9	703.	697.	691.1	687.4	687.	679.5	689.	694.1	695.
15.....	752.	744.5	736.6	728.9	718.5	709.6	702.9	700.8	701.9	708.6	716.1	724.8
17.....	765.5	756.1	751.1	742.6	736.	730.	726.4	725.5	727.6	729.8	744.9	756.9
18.....	841.9	841.7	838.9	836.8	833.9	832.9	830.8	831.1	834.	842.5	859.5	870.7
19.....	947.4	935.3	927.1	921.	914.	907.4	899.9	898.	899.9	905.8	914.4	927.4
20.....	986.	975.	957.8	946.6	936.8	927.7	924.1	920.9	918.6	921.3	930.2	936.6
21.....	914.1	907.	900.2	894.	892.1	886.5	882.	877.9	872.2	874.6	874.2	888.2

Göttingen time.. Observatory time.	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
June 1	807.9	820.5	833.4	842.4	848.	858.1	869.	872.4	866.9	*860.5	850.9	848.	822.6	282.6
3	817.7	823.2	831.8	810.3	816.1	853.9	857.2	858.9	856.1	852.1	848.8	843.7	839.7	284.9
4	748.8	718.4	748.9	754.9	756.9	757.9	761.	762.9	762.8	760.7	759.1	757.3	779.3	294.6
5	725.3	735.2	752.6	766.2	778.7	791.9	805.4	814.6	815.8	812.4	808.9	806.	752.4	279.9
6	777.5	788.8	804 8	819.9	831.6	847.9	860.4	867.	870.6	871.2	871.7	870.1	799.8	280.1
7	876.8	894.3	911.	924.7	934.3	942.4	947.1	947.7	946.	942.1	937.3	933.4	889.6	287.5
8	806.5	807.8	795.3	820.8	834.5	845.8	858.1	863.5	859.9	854.2	848.8	842.2	850.2	299.
10	864.	866.8	872.9	874.4	871.9	874.9	886.9	889.9	886.	878.7	869 3	858.9	864.7	284.3
11	720 3	729.7	737.3	752.4	765.7	778.1	789.2	795.3	799.7	796.5	790.8	786.9	764.3	287.8
12	722.2	734.3	769.	762.7	774.4	790.3	800.9	806.	805.1	800.9	794.6	789.2	752.5	281.3
13	763.	767.1	768.	767.9	761.7	762.8	756.6	750.3	741.9	732.3	726.1	721.4	750.	288.3
14	689.	696.1	705.2	715.3	726.1	738.7	749.8	755.4	757.5	757.8	756.8	755.8	713.9	275.2
15	735.9	750.2	764.6	766.9	764.5	767.4	769.2	763.7	758.7	757.1	753.8	750.1	740.4	280.1
17	767.3	776.2	785.	794.9	807.5	815.4	825.5	832.3	838.2	839.8	841.2	851.	778.2	277.4
18	893.8	903.9	920.9	935.4	937.7	948.	956.9	965.	965.9	962.3	961.1	955 9	891.7	276.1
19	943.2	966.8	980.5	985.6	992.7	998.8	999.9	1000.3	998.8	995.7	994.1	989.5	951.8	280.9
20	944.6	954.1	953.	948.7	938.4	936.9	936.8	934.9	929.	924.8	919 8	918.1	938.5	290.5
21	859.3	860.9	870.1	879.9	877.3	883.9	891.9	895.1	894.5	892.1	890.2	890.1	884.4	282.3
22	834.9	823.4	829.1	846.	850.1	849.1	843.2	835.	832.4	805.5	790.9	777.8	835.2	280.4
24	818.8	841.3	859.4	870.	881.4	895.6	903.6	910.	907.8	901.9	895.	888.8	837.2	271.5
25	878.	888.5	908.3	926.4	9 8.8	947.9	955.6	954.2	949.9	944.	939.3	933.9	890.2	273.3
26	934.9	952.3	969.9	984.3	995.7	1003.5	1013.4	1015.7	1010.7	1002.2	993.7	980.4	944.3	274.7
27	950.8	967.9	985.5	1004.3	1021.3	1025.8	1033.9	1035.3	1031.9	1027.2	1022.8	1017.9	967.9	278.1
28	987.6	991.2	994.2	1002.3	1005.2	1010.6	1011.2	1013.4	1011.1	1004.3	993.9	983.1	993.3	303.5
29	872.5	877.9	887.7	897.8	907.2	915.9	921.4	925.2	927.7	921.5	913.2	908.7	908.4	299.6
Means	838.8	838.7	849.5	859.4	866.1	873.6	880.2	882.6	880.6	875.9	870.9	870.3	845.1	
Reduced to 32° F.	264.5	262.3	262.6	265.4	266.7	268.8	276.7	285.9	287.9	288.7	291.7	300.6		282.9

* See disturbance observations.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time...	6 01	7 04	8 04	9 04	10 04	11 04	12 04	13 04	14 04	15 04	16 04	17 04
Observatory time..	0 23½	1 23½	2 23½	3 23½	4 23½	5 23½	6 23½	7 23½	8 23½	9 23½	10 23½	11 23½
June 1.....	72.	71.2	70.6	70.	69.2	68.4	68.	67.6	68.	69.2	70.	71.2
3.....	75.2	74.5	74.	73.2	72.2	71.6	71.	70.7	70.6	70.7	71.	71.7
4.....	71.8	70.8	70.	69.2	68.5	68.	67.5	67.1	67.	66.8	66.8	66.8
5.....	66.	65.5	65.	64.5	64.	63.1	62.8	62.7	62.1	62.6	64.2	66.1
6.....	69.	68.2	67.5	66.9	66.	65.4	65.2	65.4	66.2	67.1	68.1	69.2
7.....	74.1	74.2	74.	73.4	73.	72.6	72.2	72.3	72.9	73.6	75	76.2
8.....	78.	76.9	75.8	74.5	74.	73.2	73.	71.6	70.9	70.8	71	71.
10.....	74.9	74.7	74.5	74.	73.7	73.1	73.	73.3	74.	74.2	74.8	75.2
11.....	72.	70.6	69.4	68.	66.5	65.2	64.4	64.	64	64.6	64.	64.7
12.....	67.8	66.8	65.9	64.9	64.	63.1	62.6	62.5	62.6	63.2	64.2	66.1
13.....	67.5	67.	66.3	65.6	65.1	64.6	64.6	64.9	65.7	66.4	67.1	68.
14.....	65.2	63.1	62.6	62.3	62.	61.7	60.6	61.6	62.	62.2	62.4	62.6
15.....	66.3	65.7	65.	64.3	63.7	63.	63.	63.2	64.1	64.8	65.2	66.6
17.....	66.2	66.	65.5	65.1	64.9	64.6	64.6	65.	65.2	66.7	67.6	68.6
18.....	73.2	73.	72.8	72.5	72.2	72.	72.1	72.6	74.	74.6	76.2	77.5
19.....	80.1	79.5	79.2	78.7	78.1	77.8	77.4	77.9	78.5	79.2	80.1	81.7
20.....	82.5	80.9	80.2	79.7	79.1	79.	78.9	78.6	79.1	80	80.8	81.4

Göttingen time Observatory time	*h. m.* 18 04 12 23½	*h. m.* 19 04 13 23½	*h. m.* 20 04 14 23½	*h. m.* 21 04 15 23½	*h. m.* 22 04 16 23½	*h. m.* 23 04 17 23½	*h. m.* 0 04 18 23½	*h. m.* 1 04 19 23½	*h. m.* 2 04 20 23½	*h. m.* 3 04 21 23½	*h. m.* 4 04 22 23½	*h. m.* 5 04 23 23½	Means.
June 1	72.8	73.6	74.	74.6	75.2	76.2	76.4	75.2	74.6	74.	73.8	73.	72.
2	73.7	73.7	73.3	74.7	74.4	74.9	75.1	74.4	74.2	74.	73.3	73.6	73.1
4	66.6	66.8	66.9	68.1	67.6	67.9	67.9	67.6	67.7	67.6	67.2	66.8	67.9
5	66.1	67.4	68.6	69.7	70.6	71.2	71.9	71.5	71.2	71.	70.5	69.9	67.
6	70.	71.	72.6	73.	74.2	75.6	75.5	75.4	75.6	75.5	75.3	75.	70.5
7	77.2	78.6	79.9	80.7	81.1	81.1	81.1	80.6	80.3	80.2	79.7	79.	76.6
8	71.2	71.8	73.	73.6	74.4	75.5	75.8	74.8	74.3	73.9	73.1	72.2	73.5
10	75.6	76.2	76.2	76.1	76.2	77.5	77.1	76.6	75.7	75.2	74.5	73.3	75.
11	66.	66.7	67.8	68.6	69.5	70.5	70.7	70.8	70.5	69.8	69.1	68.5	67.3
12	66.3	67.3	68.5	69.4	70.7	71.1	71.4	70.9	70.3	69.8	69.1	68.3	66.9
13	68.4	68.4	68.1	67.9	67.6	67.	66.6	65.6	65.2	64.8	64.3	64.	66.2
14	63.7	64.3	65.2	66.	66.9	67.6	67.9	67.8	67.9	67.9	67.5	67.	64.5
15	67.5	68.5	68.5	68.1	68.3	68.4	68.	67.4	67.2	67.	66.7	66.	66.1
17	69.2	70.	70.4	71.	72.4	72.8	73.2	73.2	73.6	73.7	73.7	73.4	69.1
18	78.5	80.	81.2	81.2	82.3	82.8	83.	82.8	83.4	83.	81.7	80.9	77.6
19	82.8	84.3	84.2	84.8	85.2	85.	84.9	84.8	84.5	84.1	83.8	83.3	81.7
20	82.3	83.	81.4	80.	80.1	80.3	80.2	79.7	79.3	79.1	78.8	78.2	80.
21	75.2	76.5	77.3	77.8	78.	78.6	78.4	77.8	77.8	77.6	77.1	76.7	76.6
22	73.2	74.2	75.3	75.4	74.8	74.4	73.6	73.2	71.3	70.5	69.6	68.7	73.1
24	74.5	76.	76.6	77.4	78.4	78.9	79.	78.8	78.	77.6	77.	76.	73.9
25	78.1	79.5	81.5	82.3	82.4	82.6	82.	81.3	81.	80.7	80.2	79.6	77.7
26	83.	84.5	85.3	86.5	87.4	87.2	87.	86.1	85.4	84.9	83.6	82.3	81.6
27	84.	85.5	87.	88.4	88.1	88.4	87.	86.3	86.	85.7	85.	84.3	83.1
28	83.8	84.1	85.	86.6	86.3	86.	86.	85.3	84.	82.9	81.8	79.5	83.1
29	76.1	76.7	77.4	78.1	78.7	79.	79.	79.	78.5	77.8	77.1	76.4	77.1
Means	73.8	74.7	75.4	76.	76.4	76.8	76.7	76.2	75.9	75.5	74.9	74.2	73.6

Göttingen time.. Observatory time.	A. m. 6 04 0 23½	A. m. 7 04 1 23½	A. m. 8 04 2 23½	A. m. 9 04 3 23½	A. m. 10 04 4 23½	A. m. 11 04 5 23½	A. m. 12 04 6 23½	A. m. 13 04 7 23½	A. m. 14 04 8 23½	A. m. 15 04 9 23½	A. m. 16 04 10 23½	A. m. 17 04 11 23½
June 1.....	840.1	829.6	818.	810.1	801.7	791.8	783.2	773.4	768.2	773.9	783.8	793.8
3.....	883.1	873.	864.1	856.2	845.	834.2	824.	813.3	806.4	805.2	807.7	811.2
4.....	836.1	824.3	811.7	802.5	791.3	781.4	772.	766.2	761.1	757.1	753.9	751.8
5.....	752.3	743.9	737.1	732.2	724.6	715.1	706.	700.9	700.7	704.3	709.7	717.2
6.....	799.9	789.1	778.5	770.2	760.4	748.2	739.3	736.	735.1	741.6	751.5	764.1
7.....	867.7	861.8	857.6	856.	851.6	846.5	841.3	838.	837.	842.1	850.2	862.8
8.....	926.9	913.1	896.9	878.3	866.5	859.3	846.2	830.6	820.	813.5	810.4	807.6
10.....	867.	863.5	861.1	859.7	855.6	850.8	846.7	843.8	846.2	851.9	858.9	860.2
11	844.4	825.2	807.7	793.1	774.4	751.6	732.8	721.9	716.4	711.2	709.2	713.2
12.....	778.9	769.	756.	743.4	730.3	717.5	709.4	702.4	698.1	696.9	703.6	714.
13.....	781.	769.	760.9	753.2	746.2	738.7	731.8	727.9	728.9	737.5	747.4	755.8
14.....	716.4	711.4	706.9	703.	697.	691.1	687.4	687.	679.5	681.	684.1	685.
15.....	752.	744.5	736.6	728.9	718.5	709.6	702.9	700.8	701.9	708.6	715.1	724.8
17.....	765.5	756.1	751.1	742.6	736.	730.	726.4	725.5	727.6	732.8	744.3	755.2
18.....	841.9	841.7	838.9	836.6	833.2	832.2	830.3	831.1	834.	842.5	859.5	879.7
19.....	947.4	935.3	927.1	921.	914.	907.4	899.2	898.	899.9	905.8	914.4	927.4
20.....	986.	975.	957.8	946.6	936.8	927.7	924.1	920.9	918.6	921.3	930.3	936.8
21.....	914.1	907.	900.2	894.	892.1	886.5	882.	877.3	873.2	874.6	874.2	866.3
22.....	885.7	874.9	868.	863.	854.4	836.8	839.7	831.8	828.	822.8	819.	815.3
24.....	821.8	814.	806.9	799.	794.2	786.1	779.	773.5	774.8	780.2	787.9	801.4
25.....	877.7	867.1	861.5	856.6	848.7	839.3	833.1	828.6	831.1	839.9	851.	865.2
26.....	926.9	918.5	911.	905.1	902.4	890.7	881.5	877.9	877.9	889.9	904.7	920.
27.....	964.	948.1	938.8	931.5	922.1	916.	910.	905.8	904.1	910.2	920.1	933.6
28.....	1012.3	1003.2	995.5	991.	985.7	980.9	974.9	975.	973.	977.8	979.1	982.2
29.....	965.2	950.1	936.9	929.5	923.2	913.6	906.8	891.9	879.8	876.4	875.7	874.7
Means.....	862.3	853.3	843.5	836.2	828.2	820.9	813.3	807.2	804.7	808.	813.8	820.8
Reduced to 32° F.	296.	297.5	295.4	297.5	297.7	297.1	293.9	288.8	279.6	278.9	278.6	283.6

Göttingen time.. / Observatory time.	h. m. 18 04 / 12 23½	h. m. 19 04 / 13 23½	h. m. 20 04 / 14 23½	h. m. 21 04 / 15 23½	h. m. 22 04 / 16 23½	h. m. 23 04 / 17 23½	h. m. 0 04 / 18 23½	h. m. 1 04 / 19 23½	h. m. 2 04 / 20 23½	h. m. 3 04 / 21 23½	h. m. 4 04 / 22 23½	h. m. 5 04 / 23 23½	Means.	Reduced to 32° F.
June 1	807.9	820.5	833.4	842.4	818.	858.1	869.	872.4	866.9	*860.5	850.9	848.	822.6	282.6
3	817.7	823.2	831.8	840.3	816.1	853.9	857.2	858.9	856.1	852.1	848.8	843.7	839.7	284.9
4	748.8	718.4	748.9	754.9	756.9	757.9	761.	762.9	762.8	760.7	759.1	757.3	779.3	294.6
5	725.3	735.2	752.6	766.2	778.7	791.9	805.4	814.6	815.8	812.4	808.9	806.	752.4	279.9
6	777.5	788.8	804 8	819.9	831.6	847.9	860.4	867.	870.6	871.2	871.7	870.1	799.8	280.1
7	876.8	894.3	911.	924.7	934.3	942.4	947.1	947.7	946.	942.1	937.3	933.4	889.6	287.5
8	806.5	807.8	795.3	820.8	834.5	845.8	858.1	863.5	859.9	854.2	848.8	842.2	850.2	299.
10	864.	866.8	872.9	874.4	871.9	874.9	886.9	889.9	886.	878.7	869 3	858.9	864.7	284.2
11	720 3	729.7	737.3	752.4	765.7	778.1	789.2	795.3	799.7	796.5	790.8	786.9	764.3	287.8
12	722.2	734.3	769.	762.7	774.4	790.3	800.9	806.	805.1	800.9	794.6	789.2	752.5	281.3
13	763.	767.1	768.	767.9	764.7	762.8	756.6	750.3	741.9	732.3	726.1	721.4	750.	288.3
14	689.	696.1	705.2	715.3	726.1	738.7	749.8	755.4	757.5	757.8	756.8	755.8	713.9	275.2
15	735.9	750.2	764.6	766.9	764.5	767.4	769.2	763.7	758.7	757.1	753.8	750.1	740.4	280.1
17	767.3	776.2	785.	794.9	807.5	815.4	825.5	832.3	838.2	839.8	841.2	851.	778.2	277.4
18	892.8	903.9	920.9	935.4	937.7	948.	956.9	965.	965.9	962.3	961.1	955 9	891.7	276.1
19	943.2	966.8	980.5	985.6	992.7	998.8	999.9	1000.3	998.8	995.7	994.1	989.5	951.8	280.9
20	944.6	954.1	953.	948.7	938.4	936.9	936.8	934.9	929.	924.8	919 8	918.1	938.5	290.5
21	859.3	860.9	870.1	879.9	877.3	883.9	891.9	895.1	894.5	892.1	890.2	890.1	884.4	282.3
22	834.9	823.4	829.1	846.	850.1	849.1	843.2	835.	822.4	805.5	790.9	777.8	835.2	280.4
24	818.8	841.3	859.4	870.	881.4	895.6	903.6	910.	907.8	901.9	895.	888.8	837.2	271.5
25	878.	888.5	908.3	926.4	9 8.8	947.9	955.6	954.2	949.9	944.	939.3	933.9	890.2	273.3
26	934.9	952.3	969.9	984.3	995.7	1003.5	1013.4	1015.7	1010.7	1002.2	993.7	980.4	944.3	274.7
27	950.8	967.9	985.5	1004.3	1021.3	1025.8	1033.9	1035.3	1031.9	1027.2	1022.8	1017.9	967.9	278.1
28	987.6	991.2	994.2	1002 3	1005.2	1010.6	1011.2	1013.4	1011.1	1004.3	993.9	983.1	993.3	303.5
29	872.5	877.9	887.7	897.8	907.2	915.9	921.4	925.2	927.7	921.5	913.2	908.7	908.4	299.6
Means	828.8	838.7	849.5	859.4	866.1	873.6	880.2	882.6	880.6	875.9	870.9	870.3	845.1	
Reduced to 32° F.	264.5	262.3	262.6	265.4	266.7	268.8	276.7	285.9	287.9	288.7	291.7	300.6		282.9

* See disturbance observations.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time...	6 01	7 04	8 04	9 04	10 04	11 04	12 04	13 04	14 04	15 04	16 04	17 04
Observatory time..	0 23½	1 23½	2 23½	3 23½	4 23½	5 23½	6 23½	7 23½	8 23½	9 23½	10 23½	11 23½
June 1.....	72.	71.2	70.6	70.	69.2	68.4	68.	67.6	68.	69.2	70.	71.3
3.....	75.2	74.5	74.	73.2	72.3	71.8	71.	70.7	70.6	70.7	71.	71.7
4.....	71.8	70.8	70.	69.2	68.5	68.	67.5	67.1	67.	66.8	66.8	66.5
5.....	66.	65.5	65.	64.5	64.	63.1	62.8	62.7	63.1	63.6	64.2	65.1
6.....	69.	68.2	67.5	66.9	66.	65.4	65.2	65.4	66.2	67.1	68.1	69.3
7.....	74.1	74.2	74.	73.4	73.	72.6	72.2	72.3	72.9	73.6	75.	76.2
8.....	78.	76.9	75.8	74.5	74.	73.2	72.	71.6	70.9	70.8	71.	71.
10.....	74.9	74.7	74.5	74.	73.7	73.1	73.	73.3	74.	74.3	74.8	75.2
11.....	72.	70.6	69.4	68.	66.5	65.2	64.4	64.	64.	64.6	64.	64.7
12.....	67.8	66.8	65.9	64.9	64.	63.1	62.6	62.5	62.6	63.2	64.3	65.1
13.....	67.5	67.	66.3	65.8	65.1	64.8	64.6	64.9	65.7	66.4	67.1	68.
14.....	65.2	63.1	62.8	62.3	62.	61.7	60.6	61.6	62.	62.2	62.4	62.6
15.....	66.3	65.7	65.	64.3	63.7	63.	63.	63.2	64.1	64.8	65.2	66.6
17.....	66.2	66.	65.5	65.1	64.9	64.6	64.8	65.	65.9	66.7	67.6	68.6
18.....	73.2	73.	72.8	72.5	72.2	72.	72.1	72.8	74.	74.8	76.2	77.5
19.....	80.1	79.5	79.2	78.7	78.1	77.8	77.4	77.9	78.3	79.2	80.1	81.7
20.....	82.5	80.9	80.2	79.7	79.1	79.	78.9	78.8	79.1	80.	80.3	81.4
21.....	77.6	77.2	76.8	76.3	76.	75.7	75.4	75.2	75.2	75.2	75.	74.8

Göttingen time..... Observatory time.....	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.
June 1.....	72.8	73.6	74.	74.6	75.2	76.2	76.4	75.2	74.6	74.	73.8	73.	72.
3.....	73.7	73.7	73.3	74.7	74.4	74.9	75.1	74.4	74.2	74.	73.3	73.6	73.1
4.....	66.6	66.8	66.9	68.1	67.6	67.9	67.9	67.6	67.7	67.6	67.2	66.8	67.9
5.....	66.1	67.4	68.6	69.7	70.6	71.2	71.9	71.5	71.2	71.	70.5	69.9	67.
6.....	70.	71.	72.6	73.	74.2	75.6	75.5	75.4	75.6	75.5	75.3	75.	70.5
7.....	77.2	78.6	79.9	80.7	81.1	81.1	81.1	80.6	80.3	80.2	79.7	79.	76.6
8.....	71.2	71.8	73.	73.6	74.4	75.5	75.8	74.8	74.3	73.9	73.1	72.2	73.5
10.....	75.6	76.2	76.2	76.1	76.2	77.5	77.1	76.6	75.7	75.2	74.5	73.3	75.
11.....	66.	66.7	67.8	68.6	69.5	70.5	70.7	70.8	70.5	69.8	69.1	68.5	67.3
12.....	66.3	67.3	68.5	69.4	70.7	71.1	71.4	70.9	70.3	69.8	69.1	68.3	66.9
13.....	68.4	68.4	68.1	67.9	67.6	67.	66.6	65.6	65.2	64.8	64.3	64.	66.2
14.....	63.7	64.3	65.2	66.	66.9	67.6	67.9	67.8	67.9	67.9	67.5	67.	64.5
15.....	67.5	68.5	68.5	68.1	68.3	68.4	68.	67.4	67.2	67.	66.7	66.	66.1
17.....	69.2	70.	70.4	71.	72.4	73.8	73.3	73.2	73.6	73.7	73.7	73.4	69.1
18.....	78.5	80.	81.2	81.2	82.3	82.8	83.	82.8	82.4	82.	81.7	80.9	77.6
19.....	82.8	84.3	84.2	84.8	85.2	85.	84.9	84.8	84.5	84.1	83.8	83.3	81.7
20.....	82.3	82.	81.4	80.	80.1	80.3	80.2	79.7	79.3	79.1	78.8	78.2	80.
21.....	75.2	76.5	77.3	77.8	78.	78.6	78.4	77.8	77.8	77.6	77.1	76.7	76.6
23.....	73.2	74.2	75.3	75.4	74.8	74.4	73.6	72.2	71.3	70.5	69.6	68.7	73.1
24.....	74.5	76.	76.6	77.4	78.4	78.9	79.	78.8	78.	77.6	77.	76.	73.9
25.....	78.1	79.5	81.5	82.3	82.4	82.6	82.	81.3	81.	80.7	80.2	79.6	77.7
26.....	83.	84.5	85.3	86.5	87.4	87.2	87.	86.1	85.4	84.9	83.6	82.3	81.6
27.....	84.	85.5	87.	88.4	88.1	88.4	87.	86.3	86.	85.7	85.	84.3	83.1
28.....	83.8	84.1	85.	86.6	86.3	86.	86.	85.3	84.	82.9	81.8	79.5	83.1
29.....	76.1	76.7	77.4	78.1	78.7	79.	79.	79.	78.5	77.8	77.1	76.4	77.1
Means.....	73.8	74.7	75.4	76.	76.4	76.8	76.7	76.2	75.9	75.5	74.9	74.2	73.6

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
June 1.....	558.8	558.1	556.7	1074.3	1074.8	1076.2	67.	768.2	768.2	769.	68.
3.....	558.7	558.7	558.2	1082.3	1081.8	1081.6	69.	761.8	761.1	760.	70.6
4.....	561.5	560.6	560.1	1077.5	1076.6	1076.3	65.9	807.4	806.4	805.9	67.
5.....	556.2	556.4	556.6	1059.4	1060.1	1060.2	61.7	700.3	700.7	701.1	63.1
6.....	559.7	560.	559.6	1078.6	1078.1	1080.3	65.3	735.	735.1	735.6	66.2
7.....	556.1	556.4	556.	1089.9	1090.1	1089.5	71.9	836.8	837.	836.7	72.9
8.....	558.1	557.1	556.4	1070.6	1071.	1071.5	69.6	821.1	820.	819.	70.9
10.....	554.	554.2	553.2	1095.7	1095.8	1093.5	73.2	845.9	846.2	846.2	74.
11.....	559.	558.7	558.	1060.2	1060.8	1061.	61.9	717.1	716.4	716.5	64.
12.....	556.6	556.5	556.5	1062.3	1065.6	1066.	61.4	698.2	698.1	697.7	62.6
13.....	563.5	564.	564.1	1066.9	1067.	1065.8	64.4	728.3	728.9	729.	65.7
14.....	563.3	563.1	563.4	1061.7	1062.1	1064.1	60.7	679.8	679.5	679.8	62.
15.....	555.	554,9	554.1	1075.7	1076.4	1076.5	62.9	701.7	701.9	701.9	64.1
17.....	558.	557.9	567.4	1083.6	1083.6	1087.3	64.6	728.	727.6	727.7	65.9
18.....	562.	560.8	559.5	1105.	1104.8	1104.9	73.2	833.7	834.	834.8	74.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

ORDINARY MAGNETIC AND TRIPLE OBSERVATIONS,

FROM JULY TO DECEMBER, 1844.

GENERAL NOTE.

The observations are as in June, 1844.

Göttingen time.. Observatory time.	h. m. 6 00 0 19½	h. m. 7 00 1 19½	h. m. 8 00 2 19½	h. m. 9 00 3 19½	h. m. 10 00 4 19½	h. m. 11 00 5 19½	h. m. 12 00 6 19½	h. m. 13 00 7 19½	h. m. 14 00 8 19½	h. m. 15 00 9 19½	h. m. 16 00 10 19½	h. m. 17 00 11 19½
July 1	545.5	546.1	546.1	539.7	546.2	553.6	558.7	559.	559.2	555.2	548.3	537.9
2	553.9	550.5	547.4	548.9	548.6	553.1	556.6	561.5	562.6	561.4	557.5	552.2
3	548.5	549.7	548.3	548.4	550.	553.8	553.7	557.5	556.9	553.5	549.5	541.8
4	547.3	546.8	549.7	548.5	551.1	553.4	556.5	559.5	557.7	553.1	546.9	540.8
5	545.	545.5	545.6	544.5	548.2	550.5	553.5	555.1	558.1	555.5	549.	542.9
6	547.9	549.8	549.8	548.9	551.7	543.9	556.	560.	560.9	557.5	550.5	545.2
8	546.7	554.	555.7	553.3	553.7	560.1	560.8	561.9	560.	553.5	543.8	534.8
9	561.3	558.2	542.	539.6	548.5	556.5	551.7	556.7	555.6	552.2	545.6	544.4
10	555.2	555.9	547.9	542.7	548.	556.9	557.2	557.6	555.5	544.3	547.9	536.1
11	551.2	552.4	548.3	549.	548.9	552.2	552.	558.4	558.3	562.2	557.2	543.5
12	553.6	551.9	547.	550.1	549.5	556.1	556.3	557.	553.9	550.	541.4	539.1
13	561.1	557.2	553.9	552.5	553.	565.7	567.2	563.6	561.5	532.2	538.	538.7
15	549.3	551.5	549.9	551.5	550.3	554.9	563.7	564.5	564.7	562.1	553.2	546.4
16	546.9	547.9	547.8	548.6	550.5	554.8	559.6	562 8	560.2	556.6	545.	539.5
17	545.5	546.6	549.1	550.2	549.1	549.2	555.7	561.	561.2	556.1	545.9	536.7
18	551.1	553.5	549.2	552.8	557.4	561.	562.2	563.9	564.5	550.5	544.2	540.2
19	547.9	546.1	546.7	548.5	560.8	551.2	558.3	559.7	557.1	556.6	550.1	544.3
20	548.8	548.1	548.9	549.6	550.2	549.5	555.1	556.4	560.6	556.7	550.1	544.
22	547.	547.4	547.1	548.3	548.7	550.2	553.9	553.2	552.6	546.6	542.9	537.1
23	548.2	548.6	549.4	551.2	553.	555.8	557.5	559.3	557.7	556 6	551.6	546.3
24	549.	548.9	550.1	551.8	553.6	555.7	559.8	561.7	561.	557.9	554.4	545.5
25	553.5	554.6	548.9	556.3	568.4	560.7	555.	544.9	553.6	556.9	547.	539.1
26	551.5	551.5	559.2	546.3	554.6	542.6	556.3	561.1	559.8	553.4	549.3	542.5
27	548.9	548.5	545.4	539.8	555.5	555.5	553.4	559.8	555.5	551.8	547.9	537.9
29	546.	546.3	545.7	547.5	549.	551.7	558.1	560.7	558.1	553.3	554.3	539.7
30	546.5	547.1	547.5	548.4	549.	545.7	556.1	561.7	558.3	551.1	543.4	533.8
31	549.	558.5	552.	550.3	552.1	555.4	560.7	562.7	559.1	553.5	549.5	544.
Means	549.8	550.6	548.8	548.4	551.9	553.7	557.2	559.3	559.	553.7	548.3	541.2

DECLINATION MAGNETOMETER—Continued.

ime..... -y time.....	A. m. 18 00 12 19½	A. m. 19 00 13 19½	A. m. 20 00 14 19½	A. m. 21 00 15 19½	A. m. 22 00 16 19½	A. m. 23 00 17 19½	A. m. 0 00 18 19½	A. m. 1 00 19 19½	A. m. 2 00 20 19½	A. m. 3 00 21 19½	A. m. 4 00 22 19½	A. m. 5 00 23 19½	Means
..ly 1	539.3	536.4	537.8	539.1	541.9	544.8	547.2	549.	549.	549.	548.7	548.1	547.4
2	541.	534.8	533.1	532.7	536.1	540.1	544.2	546.3	547.	547.9	548.5	548.	548.9
3	538.5	534.2	531.5	533.6	542.1	547.3	548.4	548.6	548.6	547.3	547.6	547.1	548.4
4	536.3	532.6	532.9	534.5	538.2	543.2	544.5	544.9	545.8	550.	544.9	545.	548.
5	540.2	537.1	537.4	537.6	537.8	541.3	546.9	548.2	548.3	548.4	548.1	548.1	548.
6	541.7	537.8	537.2	539.8	545.7	550.	547.2	548.7	548.7	548.1	548.5	547.8	548.1
8	538.	541.6	537.7	541.8	543.2	544.4	545.4	544.	544.5	548.7	549.	548.5	549.8
9	541.2	545.8	547.9	543.8	547.7	547.1	549.	547.8	548.1	549.4	548.4	549.7	549.2
10	545.3	542.6	544.	545.	544.6	545.1	549.4	547.4	548.	548.1	548.4	549.1	548.
11	541.7	535.8	538.9	539.5	541.3	544.8	544.9	544.1	548.8	553.4	553.9	550.9	548.8
12	536.3	534.2	538.7	544.	545.1	544.9	545.9	548.	548.	548.8	548.1	551.9	547.
13	535.1	533.8	534.4	535.3	539.5	543.9	547.4	547.1	548.1	548.9	548.	548.1	548.
15	544.4	532.5	535.7	534.3	539.3	543.9	548.2	549.1	550.9	547.6	547.5	548.	548.8
16	534.	532.6	536.	541.7	543.7	544.8	550.8	548.3	547.5	548.5	547.7	548.5	547.5
17	532.8	535.9	535.	534.4	540.3	543.1	543.1	544.	550.9	547.6	548.9	548.9	548.8
18	535.1	529.9	532.3	536.5	542.	544.5	543.8	544.3	548.	548.	548.6	547.9	547.8
19	538.4	537.9	535.5	535.8	541.5	544.7	545.8	545.5	545.9	548.1	550.6	548.8	547.7
20	536.6	535.2	536.1	539.2	542.5	545.4	546.8	548.	549.	547.9	551.7	549.9	547.7
22	531.	529.7	534.1	537.6	540.5	543.	544.	543.8	544.6	544.8	548.	547.6	544.9
23	543.4	543.3	541.9	542.6	544.1	544.7	544.5	545.9	546.8	547.8	549.5	551.8	549.9
24	542.1	540.3	541.5	541.2	543.3	543.1	544.1	545.	545.1	544.9	548.9	550.4	549.1
25	536.5	537.2	533.5	541.	541.6	546.8	548.4	551.	548.	548.4	551.5	554.9	549.
26	539.9	537.6	537.	540.8	543.5	548.5	549.	547.8	548.8	548.8	547.5	548.	548.5
27	538.	534.2	527.1	537.7	542.	543.9	543.6	550.2	550.3	549.2	550.1	549.8	547.1
29	530.7	530.2	534.5	537.1	538.8	543.9	545.9	545.2	545.5	548.9	551.1	547.8	548.2
30	528.6	530.3	534.4	539.2	546.5	548.2	549.	547.7	547.9	548.9	548.6	548.9	548.2
31	538.7	539.3	536.1	540.7	539.6	541.	543.9	543.1	549.8	548.4	547.5	550.8	548.5
Means.....	537.9	535.9	536.4	538.8	541.9	544.5	545.8	546.6	547.1	547.4	548.8	549.8	547.6

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time...	6 02	7 02	8 02	9 02	10 02	11 02	12 02	13 02	14 02	15 02	16 02	17 02
Observatory time..	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
July 1.....	1112.5	1110.4	1109.1	1108.5	1107.	1107.6	1106.6	1108.2	1114.2	1123.3	1129.7	1128.1
2.....	1125.4	1122.7	1120.9	1119.5	1121.2	1122.3	1119.	1119.5	1125.1	1130.	1131.8	1128.7
3.....	1121.	1120.9	1117.7	1119.5	1115.8	1115.3	1115.	1115.6	1119.8	1124.2	1126.	1126.
4.....	1097.3	1097.1	1103.6	1105.3	1103.5	1102.3	1100.8	1096.6	1102.7	1111.1	1106.7	1106.3
5.....	1097.2	1096.1	1097.4	1097.	1096.	1095.5	1092.8	1096.5	1101.9	1110.4	1111.1	1105.4
6.....	1106.	1106.	1107.6	1108.9	1110.2	1110.2	1109.	1111.1	1114.8	1117.1	1121.	1115.
8.....	1121.2	1122.6	1121.	1125.8	1120.7	1119.2	1111.8	1111.2	1114.	1115.4	1126.7	1123.9
9.....	1112.6	1122.1	1123.9	1118.	1121.	1123.1	1120.8	1118.7	1121.	1125.8	1127.9	1125.
10.....	1135.	1136.	1132.	1130.8	1129.5	1130.	1129.7	1130.7	1129.2	1130.6	1129.4	1125.3
11.....	1141.6	1143.3	1142.5	1140.5	1140.	1141.	1139.2	1132.	1133.5	1139.5	1140.4	1140.8
12.....	1126.3	1123.3	1123.9	1110.2	1113.4	1113.7	1113.9	1113.2	1119.8	1126.4	1122.9	1119.8
13.....	1118.	1124.2	1120.7	1122.2	1117.3	1117.1	1111.8	1114.6	1116.7	1126.3	1125.7	1119.2
15.....	1123.6	1131.5	1126.1	1124.4	1126.1	1123.2	1123.	1124.5	1128.5	1137.5	1147.	1147.9
16.....	1137.7	1136.5	1135.7	1137.	1133.9	1129.7	1125.4	1127.	1139.9	1148.9	1146.8	1144.4
17.....	1141.5	1141.1	1139.4	1142.1	1142.8	1137.8	1132.4	1135.3	1136.8	1145.	1149.6	1145.6
18.....	1125.9	1132.4	1129.2	1136.9	1131.6	1126.1	1120.9	1121.8	1133.4	1153.5	1155.4	1146.8
19.....	1139.	1137.9	1137.	1139.	1139.	1140.5	1141.	1139.8	1146.4	1154.5	1156.3	1155.3
20.....	1149.4	1147.9	1147.	1147.3	1148.2	1147.9	1145.4	1147.	1150.5	1159.4	1164.1	1165.4
22..... ...	1140.3	1137.2	1138.5	1138.4	1136.	1135.3	1138.9	1141.2	1149.	1151.3	1146.5	1138.4
23.....	1131.7	1129.8	1129.5	1127.8	1129.2	1130.	1130.6	1130.6	1130.5	1136.7	1142.1	1140.6
24.....	1130.2	1128.8	1128.2	1126.8	1124.8	1123.5	1121.4	1123.7	1128.4	1138.8	1139.2	1137.3
25.....	1124.5	1118.6	1131.5	1129.1	1137.	1130.7	1135.9	1131.4	1117.6	1135.1	1140.8	1157.7
26.....	1145.3	1141.	1151.7	1132.9	1136.7	1135.7	1134.5	1131.4	1138.2	1134.	1146.7	1136.8
27.....	1112.3	1115.3	1118.7	1117.3	1116.1	1114.1	1113.6	1111.7	1117.6	1134.2	1150.	1137.6
29.....	1125.	1126.1	1127.8	1128.8	1127.1	1124.9	1116.2	1117.2	1129.	1142.7	1145.4	1142.9
30.....	1121.8	1119.6	1122.4	1123.8	1119.2	1117.2	1118.1	1123.5	1139.8	1157.7	1160.3	1151.
31.....	1132.	1128.6	1138.9	1141.2	1140.3	1136.5	1132.	1131.4	1147.5	1150.7	1132.8	1136.6
Means.....	1125.7	1125.8	1126.7	1125.9	1125.3	1124.1	1122.2	1122.5	1127.6	1135.6	1137.9	1135.2
Reduced to 32° F.	1033.9	1035.6	1037.9	1039.1	1038.7	1038.7	1037.7	1037.9	1042.4	1049.2	1050.3	1046.

...time..	A. m. 18 02	A. m. 19 02	A. m. 20 02	A. m. 21 02	A. m. 22 02	A. m. 23 02	A. m. 0 02	A. m. 1 02	A. m. 2 02	A. m. 3 02	A. m. 4 02	A. m. 5 02	A. m. 6 02		
...mory time	18 21½	19 21½	20 21½	21 21½	22 21½	23 21½	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½		
July 1	1128.3	1134.8	1117.7	1113.4	1110.3	1110.1	1110.	1104.	1100.0	1100.0	1100.0	1100.	1100.	111.	110.
2	1125.2	1134.5	1130.1	1111.1	1111.	1110.8	1110.0	1110.0	1110.	1110.0	1110.0	1110.0	1110.0	1110.	1110.
3	1124.	1120.8	1119.	1109.0	1104.1	1110.	1101.1	1111.0	1110.0	1110.0	1110.0	1100.	1100.1	1110.	1101.
4	1098.9	1094.1	1088.8	1091.1	1093.1	1094.1	1094.1	1094.	1095.0	1095.0	1095.0	1095.	1090.0	1095.	111.
5	1095.8	1090.8	1092.5	1092.8	1093.1	1094.0	1095.1	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.1	1095.
6	1111.	1109.6	1107.1	1100.1	1104.	1111.0	1110.0	1110.	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0
8	1112.3	1089.9	1094.3	1095.3	1095.1	1094.1	1095.	1095.1	1110.0	1110.0	1111.	1110.	1110.	1110.0	1110.0
9	1117.7	1111.7	1110.7	1111.6	1113.	1110.	1110.0	1110.	1110.0	1110.0	1110.	1110.	1110.0	1110.0	1110.0
10	1127.	1128.5	1125.3	1125.	1120.0	1110.	1110.	1110.0	1110.0	1110.0	1110.	1110.0	1110.0	1110.	1110.
11	1137.3	1131.6	1130.3	1111.5	1111.3	1110.1	1110.0	1110.	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0
12	1116.8	1114.1	1103.2	1107.5	1108.0	1111.5	1110.1	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0
13	1119.	1119.5	1122.1	1118.1	1111.1	1110.1	1110.0	1110.0	1110.0	1110.0	1110.	1110.0	1110.0	1110.0	1110.0
15	1136.7	1137.5	1127.	1110.	1111.1	1110.0	1110.0	1110.	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0
16	1133.5	1130.6	1121.8	1114.0	1113.0	1110.3	1110.0	1110.0	1110.0	1110.0	1110.0	1110.	1110.0	1110.0	1110.0
17	1139.7	1134.1	1123.0	1122.4	1121.3	1120.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.	1110.0	1110.0
18	1139.	1134.4	1125.0	1123.3	1120.1	1110.0	1110.0	1111.1	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.1
19	1155.5	1149.	1147.9	1114.0	1110.0	1111.0	1110.1	1110.0	1110.0	1110.0	1110.0	1110.0	1110.	1110.0	1110.0
20	1160.2	1150.7	1148.5	1145.0	1144.8	1110.1	1110.1	1110.0	1110.0	1110.0	1110.0	1110.	1110.0	1110.1	1110.1
22	1129.4	1126.4	1118.4	1125.2	1110.7	1111.	1111.1	1110.0	1110.0	1110.0	1110.	1110.1	1110.1	1110.1	1110.1
23	1132.7	1129.6	1131.	1120.	1110.0	1110.	1110.0	1111.	1110.1	1110.1	1110.1	1110.0	1110.1	1110.1	1110.0
24	1131.7	1131.1	1127.4	1131.0	1131.0	1110.1	1110.1	1110.0	1110.0	1110.0	1110.0	1110.1	1110.1	1110.0	1110.0
25	1154.7	1147.5	1150.2	1130.2	1110.8	1110.3	1110.0	1110.	1110.1	1110.0	1110.0	1110.0	1110.	1110.	1110.1
26	1124.1	1117.4	1110.2	1111.3	1110.0	1110.1	1110.1	1110.	1110.1	1110.0	1110.0	1110.0	1110.	1110.0	1110.0
27	1119.5	1131.8	1142.	1110.	1113.2	1110.0	1111.0	1110.0	1110.0	1110.0	1110.	1110.0	1110.0	1110.0	1110.0
29	1134.9	1128.8	1113.7	1112.5	1111.2	1113.0	1110.7	1111.0	1110.0	1110.0	1110.	1110.0	1110.0	1110.0	1110.0
30	1142.6	1128.6	1120.1	1123.4	1121.3	1111.0	1110.	1110.0	1110.	1110.0	1110.	1110.0	1110.0	1110.0	1110.0
31	1128.8	1126.3	1125.8	1116.5	1122.0	1121.7	1124.1	1110.0	1110.0	1110.	1110.0	1110.0	1110.0	1110.0	1110.0
Means	1128.6	1124.4	1121.2	1119.1	1119.3	1113.8	1111.0	1110.7	1110.0	1110.0	1110.0	1110.0	1110.0		
Reduced to 32° F.	1037.6	1031.8	1029.2	1021.3	1021.5	1019.0	1019.0	1019.0	1019.0	1019.1	1019.0	1019.0	1019.0		1019.

Göttingen time .. Observatory time.	h. m. 6 02 0 21½	h. m. 7 02 1 21½	h. m. 8 02 2 21½	h. m. 9 02 3 21½	h. m. 10 02 4 21½	h. m. 11 02 5 21½	h. m. 12 02 6 21½	h. m. 13 02 7 21½	h. m. 14 02 8 21½	h. m. 15 02 9 21½	h. m. 16 02 10 21½	h. m. 17 02 11 21½.
July 1.....	74.2	73.9	73.5	73.1	72.8	72.4	72.2	72.5	73.	73.8	74.6	76.
2.....	81.8	80.2	79.9	79.6	79.3	79.1	79.1	79.8	80.5	81.	80.9	81.1
3.....	81.4	80.8	80.2	79.8	79.6	79.2	78.5	78.1	77.8	77.	76.7	76.8
4.....	76.3	75.3	74.5	73.2	72.2	71.5	70.5	70.	70.5	70.6	71.	71.
5.....	69.9	68.9	68.1	67.2	66.3	65.3	64.9	65.2	66.	66.7	68.	69.
6.....	71.2	70.9	70.5	70.3	70.1	70.	70.	70.1	70.9	72.	73.6	75.
8.....	75.	74.1	73.2	72.3	71.4	70.7	70.1	70.1	70.7	71.8	72.4	73.
9.....	76.1	75.1	74.2	73.2	72 3	71.2	71.1	71.4	72.	73.2	75.	76.4
10.....	80.3	79.7	79.2	78.6	78.	77.5	77.2	77.2	77.8	78.2	78.8	78 9
11.....	82.7	81.9	80.7	79.8	79.7	78.7	78.1	78.2	78.6	79.	79.2	79.4
12.....	75.7	74.9	74.1	73.3	73.	72.5	72.	72.5	73.2	73.8	75.	76.1
13.....	78.6	77.9	77.	76.	75.2	74.8	74.5	74.7	75.2	76.	76.5	77.3
15.....	84.2	83.3	82.1	81.6	81.3	80.2	79.8	79.8	80.2	80.9	81.1	81.2
16.....	82.	81.3	80.8	80.1	79.5	79.	78.7	78.4	78.2	78.6	79.4	80.2
17.....	77.5	76.8	76.1	75.4	74.9	74.3	73.9	73.5	73.1	73.1	73.1	74.
18.....	78.	77.3	76.5	75.7	75.	74.2	73.9	74.3	74.9	76.	77.	78.1
19.....	80.2	79.3	78.5	78.1	77.3	76.8	76.2	76.7	77.2	79.	79.6	80.9
20.....	84.1	83.2	82.9	82.2	81.9	81.2	80.7	80.8	81.4	82.2	83.4	84.
22.....	79.9	78.7	78.	77.2	76.2	75.6	74.8	74.7	74.8	75.	75.7	76.7
23.....	80.3	79.7	79.3	78.8	78.5	77.9	77.1	76.5	76.4	77.1	77.5	78.2
24.....	77.8	77.7	77.5	77.3	77.	76.7	76.9	77.6	78.4	79.1	79.6	80.3
25.....	82.5	81 8	81.1	80.5	80.	79.7	79.3	79.	79.2	79.2	79.7	80.5
26.....	78.5	77.7	76.8	75.8	75.2	74.6	73.8	73.8	73.1	72.	71.7	70.6
27.....	68.5	68.	67.6	67.3	66.9	66.3	65.9	66.2	67.	67.8	68.7	69.7
29.....	73.8	73.	72.2	71.6	70.8	69.9	69.5	69.6	70.1	71.2	72.	72.5
30	74.5	73.8	73.2	72.4	71.8	71.2	71.	70.8	71.	72.	73.	74.3
31.....	77.2	76.9	76.7	76.3	76.	75.8	75.7	75.4	75.2	75.7	75.8	76.2
Means.....	77.9	77.1	76.4	75.4	75.2	74.7	74.2	74.2	74.6	75.2	75.8	76.6

Göttingen time.. Observatory time	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.	Reduced to 32° F.
July 1	1128.3	1124.8	1117.7	1118.4	1116.5	1119.3	1119.	1122.	1123.8	1124.9	1123.3	1124.	1117.6	1026.8
2	1125.2	1124 5	1120.4	1117.1	1113.	1116.8	1115.3	1118.8	1119.	1118.9	1118.3	1122.4	1121.3	1020.5
3	1124.	1120.8	1112.	1109 9	1104.3	1110.	1108.7	1114.5	1113.6	1112.6	1108.	1108.3	1116.	1021.
4	1098.9	1094.1	1088.8	1091.7	1086.4	1087.7	1089.7	1094.	1095.2	1093.6	1095.	1095.8	1097.7	1017.3
5	1095.6	1090.8	1092.5	1092.8	1092.7	1094.5	1097.7	1104.4	1103.5	1104.2	1104.3	1106.4	1099.1	1023.7
6	1111.	1109.6	1107.1	1106.4	1108.	1113.9	1118.5	1119.	1119.7	1129.4	1132.4	1127.8	1114.2	1026.4
8	1112.3	1089.9	1094.3	1093.3	1097.8	1103 1	1103.	1103.1	1110.8	1113.7	1113.	1117.	1111.9	1026.1
9	1117.7	1111.7	1110.7	1114.6	1115.	1129	1126.2	1132.	1136.3	1135.	1132.	1135.7	1123.2	1032.2
10	1127.	1128.5	1126.3	1125.	1129.6	1130.	1130.	1137.9	1139.1	1139.	1140.4	1143.2	1132.3	1034.7
11	1127.3	1134.6	1123.3	1114.5	1114.8	1119.3	1119.2	1122.8	1121.7	1123.9	1125.7	1128.2	1131.6	1036.6
12	1116.8	1114.1	1102.2	1107.5	1108.6	1117.5	1121.3	1121.5	1123.5	1128.6	1123.6	1122.3	1118.1	1026.9
13	1119.	1119.5	1122.1	1118.1	1111.3	1116.4	1118.9	1119.1	1123.4	1128.5	1132.	1127.7	1120.4	1025.6
15	1136.7	1137.5	1127.	1132.	1131.4	1126.9	1130.5	1132.	1147.	1142.4	1143.3	1140.8	1133.9	1030.3
16	1133.5	1130.6	1124.8	1124.9	1127.6	1135.3	1133.3	1143.7	1149.5	1140.6	1144.	1142.8	1136.4	1038.8
17	1139.7	1134.1	1123.9	1127.4	1124.2	1122.5	1135.3	1133.7	1135.2	1136.1	1137.2	1125.	1135.5	1046.1
18	1139.	1134.4	1125.5	1133 3	1136.4	1135.5	1138.2	1141.1	1140.1	1137.8	1138.1	1139.3	1135.5	1041.1
19	1155.5	1149.	1147.9	1143.9	1138.6	1141.9	1143 1	1148.7	1147.9	1149.2	1148.2	1150.	1145.4	1045.4
20	1160.2	1150.7	1148.5	1145.2	1144.8	1152.4	1150.1	1151 2	1153.2	1149.9	1145.	1156.4	1151.1	1048.7
22	1129.4	1126.4	1118.4	1125.2	1128.7	1131.7	1133.4	1133.8	1132.3	1133.	1134.1	1130.1	1135.1	1041.3
23	1132.7	1129.6	1131.	1129.	1129.9	1130.	1130.9	1131.	1132.1	1133.4	1133.4	1130.5	1131.9	1039.5
24	1131.7	1131.1	1127.4	1131.9	1131.6	1134.1	1134.7	1135.9	1124.3	1122.9	1125.7	1131.6	1129.3	1030.1
25	1154.7	1147.5	1159.2	1136.2	1140.8	1142.3	1145.9	1150.	1146.1	1144.6	1142.2	1135.5	1139.	1041.6
26	1124.1	1117.4	1116.2	1111.3	1118.9	1112.1	1120.1	1122.	1118.7	1115.	1116.9	1113.9	1125.	1048.4
27	1119.5	1131.8	1142.	1118.	1113.2	1116.2	1131.2	1131.6	1124.2	1137.	1138.	1131.5	1124.2	1045.8
29	1134.9	1128.8	1113.7	1112.5	1111.2	1113.8	1115.7	1117.6	1117.9	1120.6	1131.5	1125.2	1124.3	1070.2
30	1142.6	1128 6	1120.1	1123.4	1124.3	1131.5	1137.	1139.2	1139.	1143.4	1142.	1139.1	1132.7	1046.2
31	1126.8	1126.3	1125.8	1116.5	1122.5	1121.7	1124.1	1133.2	1132.2	1126.	1129.5	1133.7	1123.2	1041.2
Means	1128.6	1124.4	1121.2	1119.1	1119.3	1122.3	1124.8	1127.9	1128.5	1129.1	1129.2	1126.3	1126.6	
Reduced to 32° F.	1027.6	1021.9	1029.2	1021.2	1021.5	1023.8	1026.2	1030.2	1030.9	1032.7	1034.2	1034.9		1026.

Gottingen time .. Observatory time.	h. m. 6 02 0 21½	h. m. 7 02 1 21½	h. m. 8 02 2 21½	h. m. 9 02 3 21½	h. m. 10 02 4 21½	h. m. 11 02 5 21½	h. m. 12 02 6 21½	h. m. 13 02 7 21½	h. m. 14 02 8 21½	h. m. 15 02 9 21½	h. m. 16 02 10 21½	h. m. 17 02 11 21½
July 1.....	74.2	73.9	73.5	73.1	72.8	72.4	72.2	72.5	73.	73.8	74.6	76.
2.....	81.8	80.2	79.9	79.6	79.3	79.1	79.1	79.8	80.5	81.	80.9	81.1
3.....	81.4	80.8	80.2	79.8	79.6	79.2	78.5	78.1	77.8	77.	76.7	76.8
4.....	76.3	75.3	74.5	73.2	72.2	71.5	70.5	70.	70.5	70.8	71.	71.
5.....	69.9	68.9	68.1	67.2	66.3	65.3	64.9	65.2	66.	66.7	68.	69.
6.....	71.2	70.9	70.5	70.3	70.1	70.	70.	70.1	70.9	72.	73.6	75.
8.....	75.	74.1	73.2	72.3	71.4	70.7	70.1	70.1	70.7	71.8	72.4	73.
9.....	76.1	75.1	74.2	73.2	72 3	71.2	71.1	71.4	72.	73.2	75.	76.4
10.....	80.3	79.7	79.2	78.6	78.	77.5	77.2	77.2	77.8	78.2	78.8	78 9
11.....	82.7	81.9	80.7	79.8	79.7	78.7	78.1	78.2	78.6	79.	79.2	79.4
12.....	75.7	74.9	74.1	73.3	73.	72.5	72.	72.5	73.2	73.8	75.	76.1
13.....	78.6	77.9	77.	76.	75.2	74.8	74.5	74.7	75.2	76.	76.5	77.8
15.....	84.2	83.3	82.1	81.6	81.3	80.2	79.8	79.8	80.2	80.9	81.1	81.3
16.....	82.	81.3	80.8	80.1	79.5	79.	78.7	78.4	78.2	78.6	79.4	80.2
17.....	77.5	76.8	76.1	75.4	74.9	74.3	73.9	73.5	73.1	73.1	73.1	74.
18.....	78.	77.3	76.5	75.7	75.	74.2	73.9	74.3	74.9	76.	77.	78.1
19.....	80.2	79.3	78.5	78.1	77.3	76.8	76 2	76.7	77.2	79.	79.6	80.9
20.....	84.1	83.2	82.9	82.2	81.9	81.2	80.7	80.8	81.4	82.2	82.4	84.
22.....	79.9	78.7	78.	77.2	76.2	75.6	74.8	74.7	74.8	75.	75.7	76.7
23.....	80.3	79 7	79.3	78.8	78.5	77.9	77.1	76.5	76.4	77.1	77.5	78.2
24.....	77.8	77.7	77.5	77.3	77.	76.7	76.9	77.6	78.4	79.1	79.6	80.8
25.....	82.5	81 8	81.1	80.5	80.	79.7	79.3	79.	79.2	79.2	79.7	80.5
26.....	76.5	77.7	76.8	75.9	75.2	74.6	73.8	73.8	73.1	73.	71.7	70.6
27.....	68.5	68.	67.6	67.3	66.9	66.3	65.9	66.2	67.	67.8	68.7	69.7
29.....	73.8	73.	72.2	71.6	70.8	69.9	69.5	69.6	70.1	71.2	72.	72.5
30	74.5	73.8	73.2	72.4	71.8	71.2	71.	70.8	71.	72.	73.	74.3
31.....	77.3	76.9	76.7	76.3	76.	75.8	75.7	75.4	75.2	75.7	75.8	76.2
Means.....	77.9	77.1	76.4	75.4	75.3	74.7	74.3	74.3	74.6	75.2	75.8	76.6

Göttingen time..... Observatory time.....	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.
July 1	77.2	78.1	79.5	81.1	82.2	82.6	83.	83.4	83.2	82.4	81.9	81.4	77.4
2	82.2	82.8	83.5	85.3	85.4	86.1	86.4	86.2	85.6	84.8	83.7	82.6	82.4
3	77.2	78.1	78.9	80.	81.4	82.	82.7	82.5	81.3	80.3	79.1	77.8	79.4
4	70.8	71.	71.	71.5	72.3	73.2	73.9	74.	73.1	72.2	71.4	70.7	72.2
5	70.1	70.9	71.7	72.6	73.5	73.7	73.4	73.1	72.8	72.3	72.	71.7	69.7
6	76.	77.2	78.2	79.	80 7	82.1	83.	83.	82.8	82.3	82.	81.4	76.9
8	74.1	74.8	76.1	77.7	78.8	79.8	80.	79.8	79.1	78.5	77.6	76.9	74.9
9	77.5	79.4	80.2	81.	82.5	83.3	83.8	83.3	82.	82.4	81.7	80.9	77.5
10	79.5	80.2	81.1	82.1	83.2	84.5	85.3	85.	84.8	84.6	84.1	83.5	80.8
11	79.5	79.5	79.8	80.	80.5	80.8	80.7	80.2	79.6	78.6	77.6	76.1	79.5
12	77.	78.4	79.5	81.3	83.	83.8	84.3	84.2	83.	81.6	80.6	79.	77.6
13	79.5	80.4	81.3	82.7	84.3	84.8	84.4	84.	83.4	82.4	82.3	82.	79.4
15	81.4	82.2	83.1	84.2	85.9	86.6	87.	86.4	85.8	84.9	83.9	82.	82.8
16	81.5	82.9	84.	85.	84.3	83.6	82.1	80.9	80.8	80.	79.1	78.3	80.9
17	75.1	76.	76.6	77.8	79.3	80.4	81.3	81.2	80.7	80.1	79.3	78.6	76.7
18	79.	80.2	81.3	82.1	83.3	84.2	84.8	84.4	83.8	82.9	82.2	81.2	79.2
19	81.3	83.2	84.	85.2	86.8	87.6	87.9	87.4	86.9	86.4	85.8	85.	83.
20	85.	86.1	86.9	86.2	85.5	85.	84.3	84.1	83.7	83.1	81.9	81.1	83.2
22	78.1	79.3	80.1	81.2	82.3	83.2	83.6	82.9	82.2	82.	81.6	80.9	78.9
23	79.	78.6	78.	77.6	77.9	78.3	78.7	78.7	78.2	78.1	78.	77.9	78.2
24	82.	83.	84.1	85.3	86.3	87.3	87.6	86.6	86.3	85.9	84.8	83.9	81.6
25	81.5	82.	81.	81.5	81.8	82.	81.9	81.4	81.1	80.5	80.	79.3	80.7
26	70.	69.6	69.4	69.3	69.4	69.6	69.6	69.3	69.	68.9	68.9	68.7	71.8
27	72.	72.9	74.3	75.	75.8	76.8	77.4	77.2	76.8	76.1	75.3	74.3	71.4
29	73.8	74.6	75.8	77.	77.4	78.4	78.7	78.3	77.8	76.9	76.	75.2	74.
30	75.3	76.4	77.3	78.7	78.8	79.1	79.3	78.9	78.8	78.6	78.2	77.8	75.2
31	76.8	77.	77.8	78.8	79.6	80.2	80.4	80.1	79.8	79.8	79.2	78.6	77.5
Means	77.5	78.3	79.1	80.	80.9	81.4	81.7	81.3	80.8	80.2	79.5	78.7	77.9

Göttingen time... / Observatory time..	h. m. 6 04 / 0 23½	h. m. 7 04 / 1 23½	h. m. 8 04 / 2 23½	h. m. 9 04 / 3 23½	h. m. 10 04 / 4 23½	h. m. 11 04 / 5 23½	h. m. 12 04 / 6 23½	h. m. 13 04 / 7 23½	h. m. 14 04 / 8 23½	h. m. 15 04 / 9 23½	h. m. 16 04 / 10 23½	h. m. 17 04 / 11 23½
July 1	864.8	855.9	850.1	848.8	845.6	839.1	835.	833.2	832.3	836.8	848.	859.6
2	957.8	949.	941.4	938.1	934.6	931.1	932.5	925.9	928.7	935.9	943.9	949.1
3	977.7	963.8	952.5	946.9	940.6	937.4	933.2	927.	918.1	911.1	906.	904.3
4	917.3	904.9	887.6	870.9	856.	839.1	827.	811.	803.2	806.	810.6	816.6
5	809.3	798.	787.7	778.	766.3	753.2	741.8	737.3	743.8	751.	761.4	770.1
6	820.7	816.1	810.8	807.7	804.1	800.4	796.9	796.8	800.1	812.6	828.9	850.
8	886.3	881.7	869.9	859.1	848.4	834.6	823.6	818.8	814.8	816.2	823.5	830.6
9	907.9	896.9	881.1	872.9	855.3	840.	835.2	830.	820.8	826.2	841.1	860.1
10	955.1	946.5	938.1	936.2	930.	922.6	913.8	907.5	905.6	908.8	918.7	919.8
11	986.5	978.	965.7	957.2	947.9	941.9	934.8	925.8	920.9	920.8	924.7	928.2
12	901.2	886.2	873.2	864.3	853.9	849.1	840.5	833.8	833.1	840.	849.5	863.1
13	941.1	925.7	913.4	902.8	889.8	880.4	873.8	866.4	863.3	867.5	875.3	885.5
15	1008.8	1002.3	992.	980.1	978.5	970.6	961.1	952.3	949.	949.9	955.1	961.1
16	984.	977.7	970.6	963.1	953.7	945.2	939.	932.2	927.8	928.	927.9	936.1
17	934.1	923.3	911.6	902.	890.3	880 8	870.4	863.7	856.	852.5	849.5	856.7
18	923.2	912.7	902.7	896.	892.	880.2	867.7	859.8	858.7	862.1	873.7	886.8
19	960.8	948.4	936.7	928.1	920.1	911.6	904.	895.7	892.9	899.2	912.6	928.4
20	1017.7	1007.8	1000.7	995.	990.	983.	976.8	970.1	964 3	966.1	970.4	977.9
22	960.	949.8	938.	930.1	919.5	908.2	894.2	881.4	874.4	876.	881.3	887.6
23	959.8	952.8	947.1	941.2	938.2	932.9	927.2	919.	909	906.9	925.4	932.5
24	931.	928 7	927.1	927.4	926.4	924.1	922.1	921.5	921.3	927.3	936.1	945.
25	1014.4	1008.7	1019.	1005.2	998.	981.5	975.2	971.6	968.1	958.7	957.5	962.6
26	968.8	960.9	952.5	940.3	926.2	910.8	898.5	885.9	874.5	865.6	849.9	839.7
27	807.4	802.8	798.3	799.1	797.9	791.	782.4	777.6	775.9	783.1	792.1	797.9
29	885.5	878.1	868.8	860.3	849.	838.	827.4	824.	820.3	825.3	833.3	842.9
30	896.1	885.	876.2	870.9	861.2	853.	846.3	841.	837.5	842.1	834.2	845.4
31	915.9	915.1	907.3	892.9	899.6	894.9	892.2	890.5	886.4	885.8	889.8	893.5
Means	929.4	920.6	911.8	904.2	896.8	887.9	879.7	873.7	870.4	872.6	878.5	886.3
Reduced to 32° F.	319.2	318.5	316.4	318.2	317.5	316.7	312.5	307.8	299.2	297.4	292.5	289.6

..n time.. ..vatory time	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
July 1.....	*876.1	885.6	902.5	925.1	940.7	953.9	961.	965.6	970.1	968.3	965.2	963 6	892.8	290 7
2.....	954.8	960.9	966.4	972.	981.9	992.	999.1	1004.9	1005.	1001.1	995.	989.3	961.7	291.5
3.....	901.7	904.3	911.	919.5	930.2	945.1	955.8	960.4	959.4	952.3	942.4	932.8	934.3	301 2
4.....	818.	815.	817.1	817.3	820.6	825.8	833.6	840.1	839.2	830.9	823.8	817 9	835.4	292.7
5.....	782.3	794.5	807.7	814.8	823.3	830.3	833.9	834.6	832.1	828.2	825.7	822.9	792.8	289 3
6.....	862.6	875.8	891.3	902 6	913.8	928.2	944.2	953.3	957.3	957.2	956.9	956 5	868.5	289.4
8.....	837.5	847.	857.4	877.5	893.	907.4	913.2	917.8	917.4	912.6	911.3	910.	867.9	276.9
9.....	880.7	905.3	918.4	934.9	948.3	959.9	965.5	970.1	969.9	967.7	966.9	961.2	899.8	293.7
10.....	918.1	923.4	933.9	941.4	954.7	965.9	977.4	988.1	990.8	990.9	992.1	991.	944.6	298.
11.....	934.6	936.3	940.1	942.5	940.9	942.3	944.3	944.7	941.2	933.5	925.1	912.7	940.4	304.5
12.....	873.6	880 5	906.4	920.5	937.5	953.8	965.4	972.8	971.	964.7	955.	944.6	897.2	289.8
13.....	†915.6	922.2	935.6	946.6	956.6	971.8	980.1	983.8	982.5	978.9	975.9	974.3	925.3	296.2
15.....	962.2	962.	963.8	979.8	991.3	1006.6	1014.2	1017.3	1015.8	1010.	1002.7	991.1	982.4	300.7
16.....	945.3	957.4	966.6	983.	997.8	997.3	992.7	978.4	968.3	963.1	953.4	944.7	959.7	303.3
17.....	864.5	871.1	876.7	896.3	909.8	918.7	928.7	935.3	937.1	935.9	931.8	927.8	896.9	294.9
18.....	895.8	910.7	927.3	938.7	949 9	961.9	972.9	979.8	980.2	975.8	973.1	971.4	918.9	292.5
19.....	956.	970.2	977.7	989.6	1002.8	1014.9	1024.8	1030.	1030.2	1028.7	1027.8	1023.2	963.1	300.6
20.....	989.4	1002.3	1015.5	1018.	1019.	1020.1	1016.7	1012.5	1005.9	994.8	991.7	979.5	995.	312.
22.....	895.	910.6	925.4	940.7	961.2	967.7	974.1	976.1	973.2	968.9	966.	965.8	930.1	302.3
23.....	939.9	939.3	939.9	938.4	939.2	939.9	940.3	940.1	938.9	936.3	933.9	933.6	935.5	317.4
24.....	954.7	969.6	954.9	995.8	1014.4	1030.5	1037.1	1040.9	1040.7	1039.3	1034.1	1023.1	969.7	309.6
25.....	974.5	980.9	976.2	983.7	974.8	980.4	983.2	984.3	982.6	978.4	972.7	974.8	982.	328.6
26.....	833.2	829.3	824.	819.4	815.6	814.	815.3	815.4	810.9	807.6	806.	805.6	861.2	329.3
27.....	817.	834.5	853.7	868.	876.	885.2	896.	904.6	909.8	905.7	901.1	898.2	835.6	311.8
29.....	858.	875.	847.	895.3	905.9	914 9	921.2	924.1	922.9	918.4	911.8	905.4	873.	310.1
30.....	860.7	877.7	870.7	898 8	907.2	912.6	918.5	921.	920.1	919.	917.9	917.	880.4	310.8
31.....	897.8	903.	910.5	914.	921.8	929.5	934.1	938.6	938.1	938.6	936.9	934.1	910.9	306.3
Means.....	896.2	905.4	916.7	925.	934.4	943.3	949.3	953.1	952.2	948.4	944.3	939.7	913.2	
Reduced to 32° F.	285.	284.4	283.6	282.5	282 4	288.6	294.6	303.8	307.	308.6	312.5	311.9		302.3

[96]

1894

Göttingen time... / Observatory time.	h. m. 6 04 0 23½	h. m. 7 04 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
July 1.....	73.3	73.	72.9	72.3	72.	71.9	71.8	72.	72.6	73.3	74.2	75.3
2.....	79.7	79.6	79 1	79.	78.8	78.5	78.5	78.8	80.4	79.6	79.8	80.3
3.....	80.9	80.2	79.6	79.1	79.1	78.5	78.	77.6	77.1	76.5	76.1	76.2
4.....	76.1	75.2	74.5	73.5	72.5	71.8	70.7	70.	70.3	71.	71.2	71.6
5.....	69.6	68.8	68.	67.1	66.2	65.2	64.9	65.2	66.1	66.8	68.	68.5
6.....	70.4	70.1	69.9	69.7	69.3	69.2	69.2	69 6	70.7	71.3	72.2	74.3
8.....	74.3	73.7	73.	72.	71.3	70.5	70.3	70 1	70 3	71.2	71.9	72.5
9.....	75.2	74.5	73.8	72 9	72.	71.	71.	71.1	71.8	72.9	74.2	75.8
10.....	79.3	79.	78.5	78.	77.5	77.	76.8	76.8	77.4	77.8	78.	78.1
11.....	81.9	81.	80.	79.4	79.	78.4	77.8	77.7	77.8	78.1	78.5	79.2
12.....	75.3	74.6	73.8	73.1	73.	72.4	72.	72.	72.4	73.	74.2	75.4
13.....	78.	77.4	76.8	76.7	74.9	74.3	74.1	74.	74.7	75.3	76.2	77.1
15.....	83.5	82.8	82.1	81.2	81.	80.2	79.7	79.5	79.9	80.4	80.9	81.2
16.....	81.8	81.	80.3	79.8	79.2	78 8	78.3	78.2	78.2	78.4	79.4	80.2
17.....	77.6	77.	76 2	75.5	75.	74.2	73.9	73.6	73.4	73.4	73.6	74.1
18.....	77.3	76.7	76.	75.2	74.7	74.	73.4	73.7	74.1	75.1	76.2	77.1
19.....	79.5	78.8	78.	77.4	77.	76.2	75.9	76.	76.5	77.3	78 6	80.
20.....	83.2	82 7	82.2	81.9	81.3	80.8	80.2	80.1	80.4	81.	81.7	83.2
22.....	79.2	78.2	77.5	76.9	76.1	75.2	74.5	74.3	74.7	75.	75.5	76.6
23.....	79.7	79.1	78.8	78.1	78.	77.2	76.8	76.2	76.3	76.7	77.3	78.
24.....	77.1	77.	77.	76.8	76.5	76.2	76.5	76.7	77.4	78.	78.7	80.
25.....	82.	81.4	80.8	80.1	80.	79.4	79.	78.8	78.5	78.6	79.3	80.
26.....	78.	77.4	76 8	76.	75 1	74.4	73.8	73.	72 4	71.5	71.	70.7
27.....	68.	67.8	67.5	67.1	66.8	66.1	65.8	66.	66.7	67.3	68.2	69.4
29.....	72.8	72.3	71.8	71.	70.3	69.5	69.	69 1	69.7	70.4	71.3	72.2
30.....	74 8	73.2	72.8	72.	71.3	71.	70.6	70.4	70.9	71.7	72.7	74.
31.....	76 5	76.2	76.	75.7	75.3	75.1	75.	74.8	75.	75.	75.2	75.6
Means.....	77.2	76.6	76.1	75.4	74.9	74.3	74.	73.9	74.2	74.6	75.4	76.2

	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	
Göttingen time	18 04	19 04	20 04	21 04	22 04	23 04	0 04	1 04	2 04	3 04	4 04	5 04	Means
Observatory time	12 23½	13 23½	14 23½	15 23½	16 23½	17 23½	18 23½	19 23½	20 23½	21 23½	22 23½	23 23½	
July 1	76.3	77.1	79.6	80.3	81.3	81.5	81.6	81.9	81.9	81.2	80.9	80.4	80.0
2	81.5	82.	83	84	84.9	84.9	85	84.8	84.1	83.7	83.9	83	81.5
3	76.8	77.5	78.8	79.9	81.1	81.3	81.4	81.1	80.5	79.6	78.7	77.5	78.9
4	71.2	71.5	71.9	72	73.5	74.1	74.3	73	72.3	71.8	71	69.5	72.3
5	69.9	70.8	71.9	71.8	73.3	73.4	73.2	71.9	71.8	71.4	71.3	69.9	69.4
6	75.3	76.3	77.4	78.2	79.5	80.8	81.1	81	80.9	80.5	80.5	80.1	78.9
8	73.4	75.	76.2	77.2	78.1	78.4	78.5	78.2	77.9	77.3	76.7	76	77.3
9	78.2	79.2	79.4	80.5	81.9	82.1	82.2	81.8	81.2	81.2	80.7	80	80.9
10	78.5	79.3	80.2	81.5	82.3	83.8	84.1	84.5	84.4	84.1	84	83.6	80.9
11	79.5	79.8	80.3	80.1	79.9	80	80.1	79.3	78.9	78.	77.3	76	79.1
12	78.7	78.1	79.3	81.8	82.3	83.4	83.1	83.4	81.7	80.7	80	78.5	77
13	79.	80.	80.4	81.7	81.4	83.4	84.3	83.7	83.3	82	81.8	81.4	78.6
15	81.2	82.5	83.8	84.3	86	85.7	85.6	85.3	84.7	84.	83.7	83	83.5
16	81.3	82.1	84	85.3	83.7	83.1	83	80.8	80.6	79.9	79	78.3	80.6
17	75.3	76.3	77.4	78.3	79.6	79.7	80.1	79.9	79.7	79.3	78.6	77.9	78.6
18	78.4	79.8	80.8	81.5	83.7	84.3	84.3	83.9	83.4	81.9	81.3	80.3	78.4
19	81.3	82.7	83.9	84.5	85.8	86.9	86.3	85.4	85.1	85.1	84.8	84	81.1
20	81.6	85.6	86.	85.1	84.9	84.4	83.8	84.3	83.3	83	81.9	80.8	83.0
22	78.3	79.3	80.1	81.5	83.1	83.9	83.2	81.5	81.1	81.	80.1	80	78.9
23	78.	78.	78	78.6	78.3	78.3	78.3	78.1	77.9	77.8	77.5	77.3	77.8
24	81.5	82.5	84.3	85.3	86.1	86.1	86.3	85.4	85.3	84.9	83.7	83.1	80.9
25	81.3	83.	81	81.5	82.	81.9	81.4	81.	80.8	80.	79.8	79	80.4
26	70.3	70.3	70.	69.7	69.6	69.8	69.5	69.1	68.9	68.9	68.8	68.4	71.4
27	71.3	72.4	73.6	74.6	75.4	75.9	76.3	75.9	75.5	75.	74.8	73.1	70.8
29	73.6	74.3	75.4	76.3	77.	77.3	77.4	76.7	76.4	75.9	75.1	74.6	73.7
30	74.8	75.9	76.7	77.3	77.6	77.8	77.9	77.7	77.7	77.6	77.3	77.	74.8
31	76.3	77.	77.	77.5	78.7	79.1	79.3	78.8	78.8	78.8	78.3	77.7	76.8
Means	77.3	78.	78.9	79.6	80.8	80.6	80.6	80.1	79.8	79.4	78.8	78.5	77.8

9651

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.	h. m. 13 58	h. m. 14 04	h. m. 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
July 1.....	558.8	559.2	558.2	1112.4	1114.2	1116.5	73.	832.5	832.3	833.2	72.6
2.....	562.6	562.6	562.5	1124.1	1125.1	1126.	80.5	928.2	928.7	929.4	80.4
3.....	557.3	556.9	556.	1119.	1119 8	1120.	77.8	918.9	918.1	917.4	77.1
4.....	558.4	557.7	557.5	.....	1102.7	1104.4	70.5	804.6	803.2	803.7	70.3
5.....	558.2	559.1	557.8	1101.	1101.9	1103.1	66.	742.8	743.8	744.2	66.1
6.....	561.	560.9	560.9	1114.1	1114.8	1115.2	70.9	799.4	800.1	800.7	70.7
8.....	560.	560.	560.	1113.4	1114.	1116.6	70.7	815.	814.8	815.	70.3
9.....	555.9	555.6	554 9	1120.	1121.	1120.6	73.	820.2	820.8	820.6	71.8
10.....	555.2	555.5	554.7	1130.3	1129.2	1129 3	77.8	905.8	905.6	905.2	77.4
11.....	557.2	558.3	558.3	1134.2	1133.5	1134.	78.6	921.5	920.9	920.6	77.8
12.....	554.5	553.9	552.9	1119.8	1119.6	1120.4	73.2	832.9	833.1	834.	73.4
13.....	560.8	561.5	559.5	1116.1	1116.7	1120.1	75.2	863.	862.3	863.	74.7
15.....	564.5	564.7	564.	1127.4	1128.5	1130.1	80.2	947.8	949.	949.	79.9
16.....	560.2	560.2	560.1	1140.	1139.9	1141.	78.2	927.8	927.8	927.4	78.2
17.....	563.	561.2	560.8	1136.5	1136.8	1137.8	73.1	856.8	856.	855.2	73.4
18.....	565.5	564.5	562.2	1131.7	1133.4	1135.8	74.9	858.7	858.7	859.	74.1
19.....	557.5	557.1	557.1	1145.	1146.4	1145.	77.2	893.5	892.9	893.3	76.5
20.....	560.8	560.6	561.3	1150.2	1150.5	1151.2	81.4	964.4	964.3	964.4	80.4
22.....	552.8	552.6	552.5	1146.3	1149.	1146.2	74.8	875.1	874.4	874.1	74.7
23.....	556.5	557.7	558.3	1131.1	1130.5	1150.2	76.4	909.3	909.	909.	76.3
24.....	560.3	561.	561.1	1128.1	1128.4	1129.4	78.4	931.6	921.3	922.3	77.4
25.....	551.8	553.6	552.7	1123.5	1117.6	1115.6	79.2	970.1	968.1	967.5	78.5
26.....	559.3	559.8	560.	1137.6	1138.2	1134.4	73.1	875.6	874.5	873.8	73.4
27.....	559.2	555.5	556.2	1115.6	1117.6	1120.8	67.	775.5	775.9	776.	66.7
29.....	558.4	558.1	558.1	1128.4	1129.	1130.	70.1	820.3	820.3	820.5	69.7
30.....	559.2	558.3	558.5	1137.8	1139.8	1141.9	71.	837.9	837.5	837.5	70.9
31.....	572.9	569.1	568.	1146.3	1147.5	1148.	75.2	886.4	886.4	885.4	75.

DECLINATION MAGNETOMETER.

Mean time... / Sidereal time..	h. m. 6 00 / 0 19½	h. m. 7 00 / 1 19½	h. m. 8 00 / 2 19½	h. m. 9 00 / 3 19½	h. m. 10 00 / 4 19½	h. m. 11 00 / 5 19½	h. m. 12 00 / 6 19½	h. m. 13 00 / 7 19½	h. m. 14 00 / 8 19½	h. m. 15 00 / 9 19½	h. m. 16 00 / 10 19½	h. m. 17 00 / 11 19½
Aug. 1	553.4	555.1	552.6	552.1	553.2	556.	560.7	567.1	561.3	558.	549.	550.4
2	553.1	561.4	554.3	541.3	546.	549.2	560.4	562.8	560.6	552.9	518.7	542.3
3	551.4	544.4	546 3	543.2	552.6	553.6	548.9	554.1	554.1	550.	543.8	539.9
5	549.	556.4	542.5	537.5	545.7	553.	556.4	553.8	557.2	551.2	543.1	537.7
6	541.2	540.9	540.	539.8	538.2	542.6	552 5	554.	555.6	552.	545.3	537.9
7	540.6	543.5	541.4	539.4	540.5	540.1	543.7	544.9	545.2	1555.	538.3	538.4
8	*543.	545.7	547.5	550.1	551.6	554.3	555.2	563.3	560.	555 8	546.	535.
9	551.6	549.	549.9	551.4	549.3	547.2	552.2	547.9	550.8	551.8	540.9	536.9
10	539.3	541.7	544.3	543.8	543.8	544.	555.7	560.	557.8	549.5	546.6	543.7
12	543.	537.2	536.7	541.6	558.6	561.3	570.7	567.7	561.1	565.	537.4	530.8
13	548.2	552.7	556.	573.8	573.2	578.	577.8	577.7	573.6	567.5	558.6	549.8
14	†552.1	†551.5	†550.9	†549.7	†553.9	†553.8	558.6	561.5	562.4	555.3	549.1	534.6
15	548.2	549.1	549.6	550.	552.7	553.4	560.7	562.5	560.7	554.3	543.3	535.6
16	547.9	550.	549.	551.	552.9	555 9	560.8	562.7	561.5	553.4	544.	537.3
17	548.8	548.4	554.4	550.5	550.8	555.9	560.4	561.1	561.2	557.5	547.6	541.1
19	551.	552.4	552.1	550.5	547.5	552.3	560.1	564.4	566.	560.4	551.	543.4
20	548.6	550.8	549.4	549.9	552.1	554.5	559.2	561.9	562.1	557.1	550.3	541.9
21	550.3	550.7	551.	552.	553.7	555.2	559.5	563.2	561.7	555.7	546.7	540.6
22	549.3	550.	550.	550.5	552.3	551.1	563.1	563.5	562.	557.6	533.8	538.6
23	550.9	550.9	558.	558.1	564.	549.	559.5	557.6	559.	550.3	537.8	534.4
24	‡554.5	553.4	545.7	551.1	552.8	553.6	554.7	557.5	553.7	548.	540.6	535.4
26	555.8	542.	541.6	543.3	550.2	551.4	555.7	559.4	552.8	545.	537.1	530.4
27	542.8	545.4	546.2	546.6	550.4	550.5	553.9	556.3	552.6	545.5	537.6	532.6
28	543.4	543.3	541.7	545.4	549.7	551.9	555.9	557.8	554.4	542.2	534.2	528.
29	544.5	544.2	545.3	546.2	551.4	553.9	556.9	560.8	554.	546.2	536.5	529.6
30	549.9	546.7	532.2	528.4	550.5	557.2	560.6	555.4	550.8	544.3	541.8	532.1
31	552.4	545.6	544.4	543.3	542.4	541.	550.3	550.2	546.6	546.9	543.9	540.9
Means	548.3	548.2	547.1	547.4	551.	552.2	557.9	559.6	557.9	552.2	543.2	536.3

* 5h. minutes and thirty seconds lost.

Göttingen time Observatory time	*h. m.* 18 00 12 19½	*h. m.* 19 00 13 19½	*h. m.* 20 00 14 19½	*h. m.* 21 00 15 19½	*h. m.* 22 00 16 19½	*h. m.* 23 00 17 19½	*h. m.* 0 00 18 19½	*h. m.* 1 00 19 19½	*h. m.* 2 00 20 19½	*h. m.* 3 00 21 19½	*h. m.* 4 00 22 19½	*h. m.* 5 00 23 19½	Means.
Aug. 1	531.6	527.6	520.9	523.5	525.	540.5	536.6	546.7	541.8	555.2	562.	555.3	547.6
2	539.	537.8	539.8	540.1	541.3	542.5	559.	551.2	553.2	541.5	553.	541.8	548.9
3	537.8	531.3	537.4	542.	543.2	547.1	546.3	553.5	546.9	549.4	555.1	561.6	547.2
5	536.5	536.	535.2	535.	538.5	542.6	547.3	547.6	547.	545.9	546.1	539.4	545.
6	531.8	530.8	533.	536.3	541.1	544.	544.5	543.7	542.9	545.6	544.3	544.8	542.6
7	515.	517.6	517.3	520.4	524.1	530.2	531.1	541.1	543.3	542.1	542.9	543.5	536.2
8	528.3	535.6	533.7	540.5	538.3	542.6	544.5	545.8	544.4	543.7	544.8	544.4	545.6
9	527.2	520.1	519.2	528.2	534.4	532.2	545.9	540.5	543.2	544.6	551.7	544.5	542.1
10	541.3	541.9	542 4	515.3	546.8	546.4	550.4	542.9	545.	549.4	544.8	546.	546.4
12	518 3	523.4	520.3	522.	530.4	537.2	534.6	542.	546.7	559.	551.6	549.	543.6
13	534.1	531.2	535.4	538.	548.4	*551.3	*552.6	*553.2	*550.	*553.3	*553.6	*552.	556.1
14	530.8	530.7	533.6	538.1	542.	545.9	546.5	546.3	545.9	546.5	547.7	547.5	547.1
15	530.8	532 2	535.5	541.	543.1	545.2	546.7	545.9	546.2	545.7	546.1	547.	546.9
16	533.9	528.6	528.2	536.	539.5	543.2	547.9	547.5	548.5	547.8	548.	551.1	546.9
17	527.6	536.3	537.6	540.6	543.	546.4	546.9	547.9	548.4	549.	549.7	551.8	548.6
19	536.2	536.1	536.	537.4	541.5	545.2	546.2	549.5	551.4	547.7	550.6	549.7	549.1
20	532.9	530.	532.8	536.1	539.6	543.5	546.1	546.1	549.2	550.3	550.2	550.3	547.7
21	537.1	534.2	536.8	542.	545.1	546.2	546.6	547.1	545.1	547.8	551.4	552.5	548.8
22	533.9	531.7	510.7	541.3	547.	554.6	550.1	558.1	†577.8	†558.1	556.9	549.9	548.8
23	530.6	536.3	536.4	541.3	547.	543.7	544.	548.	558.	†558.2	†556.	†536.9	549.
24	535.1	536.4	534.1	538.6	543.7	545.	543.3	546.7	560.	541.3	543.4	543.6	545.5
26	526.5	529.5	533.9	539 3	541.8	545.4	542.5	544.	545.8	546.	541.5	542.6	543.5
27	530.9	530.8	533.5	538.	541.8	543.3	542.9	545.4	544.5	544.	547.1	543.4	543.5
28	523.9	524.5	527.7	534.7	540.4	543.2	543.6	543.	542.7	543.2	543.	543.2	541.7
29	527.	526.8	529.9	532.5	537.9	538.4	†556.6	†545.1	†553.7	†547.5	†542.5	552.2	544.1
30	528.5	528.3	534.5	539.1	542.5	542.5	544.	551.4	551.	543.	545.1	550.6	543.3
31	540.7	537.	537.6	541.4	543.7	544.6	546.5	545.8	545.	546.9	546.9	551.4	544.8
Means	531.4	531.2	532.7	536.6	540.4	543.7	545.6	546.9	549.2	547.9	548.7	547.5	546.

* Supplied. † See disturbance observations.

HORIZONTAL FORCE MAGNETOMETER.

Aug.	A. m. 6 03 0 31½	A. m. 7 03 1 31½	A. m. 8 03 2 31½	A. m. 9 03 3 31½	A. m. 10 03 4 31½	A. m. 11 03 5 31½	A. m. 12 03 6 31½	A. m. 13 03 7 31½	A. m. 14 03 8 31½	A. m. 15 03 9 31½	A. m. 16 03 10 31½	A. m. 17 03 11 31½
1	1135.	1131.9	1130.6	1134.8	1139.9	1133.7	1137.6	1139.9	1134.5	1139.4	1131.3	1142.2
2	1144.	1135.8	1126.8	1134.4	1137.9	1134.1	1153.	1145.5	1135.8	1134.8	1124.2	1121.6
3	1144.7	1136.7	1140.1	1146.	1139.8	1136.5	1149.6	1191.	1145.8	1140.8	1147.5	1150.7
4	1138.4	1134.4	1143.8	1135.7	1135.1	1135	1136.7	1135.	1138.	1146.8	1145.4	1142.5
5	1133.9	1130.5	1130 1	1139 1	1138.1	1131 9	1134.2	1136.2	1129.7	1146.1	1142.4	1134.2
6	1137.0	1134 8	1134 4	1150.4	1144.6	1146.1	1149.2	1141.6	1151.1	1134.2	1172.6	1167.7
7	1145.8	1147 2	1146 6	1145.6	1145.8	1139.	1131.2	1132.	1138 7	1148.4	1159.9	1147.5
8	1141.2	1138 9	1151 7	1153.8	1148.1	1150.	1142 8	1159.7	1143.6	1154.9	1134.	1154.
9	1138.	1136 8	1137.7	1135.4	1137.5	1139.2	1171.5	1140.1	1140.6	1135.4	1139.6	1140.4
10	1142 8	1146.	1142 8	1140.	1139.	1133 8	1134.2	1136.	1149.8	1155.2	1155.8	1148.5
11	1141.6	1139.2	1140 8	1145 7	1139.9	1134 2	1137.5	1138.1	1145.8	1159.4	1139.	1137.2
12	1138.2	1142.4	1142 1	1141.2	1140.8	1145	1142.1	1147.7	1134.	1175.6	1175.	1170.2
13	1141.4	1144.5	1143.	1143.2	1145.6	1141.	1141.2	1142.1	1139.4	1173.4	1166.2	1156 4
14	1146.8	1142 1	1143 2	1140.	1138.2	1138.1	1135.3	1137.2	1156.7	1169.7	1166.2	1158.4
15	1137.2	1136.	1138 2	1140 4	1153.2	1147.5	1142.2	1175.8	1170.	1142.8	1178.5	1160.5
16	1138.8	1141 1	1134 2	1150.6	1141.1	1138.2	1134 4	1156.2	1167.3	1139.2	1141.2	1176.7
17	1141.2	1134.1	1142 1	1159 7	1157.2	1144 7	1150.6	1155.	1155.4	1177.2	1160.6	1141.2
18	1137.2	1138.7	1141 2	1141.2	1140.7	1159.7	1141.2	1141.2	1137.1	1178.	1141.2	1172.2
19	1142.2	1145 4	1141	1145 4	1137.2	1138.2	1138.2	1140.2	1144.2	1144.1	1148.1	1149.4
20	1140.2	1143	1138	1134 7	1145 1	1141.1	1139 2	1149.6	1138.	1138.7	1176.	1171.2
21	1141 2	1141 2	1137 2	1151.6	1144.2	1148 2	1148.7	1142.6	1140.2	1138 2	1147.6	1140.6
22	1138.1	1143 4	1142 2	1139.2	1138.6	1140.7	1138.4	1141.	1140.2	1138.4	1146.6	1136.1
23	1140.1	1138	1140.2	1140 1	1138.2	1138.1	1138.1	1141.	1138.2	1138 2	1142.	1146.2
24	1141.1	1134.4	1141	1140 6	1138.2	1138 1	1141.6	1137.7	1147.4	1140.1	1148.1	1145.2
25	1140.	1136.6	1141	1137.2	1137.2	1138.	1140.2	1141.1	1140.1	1138.1	1138.1	1138.
26	1141.	1136.6	1141 2	1140 4	1137 4	1138.	1141.6	1144.7	1141.	1141.2	1141.2	1138.2
27	1141.4	1138.2	1141 6	1141.2	1140.2	1141.	1141.6	1140.2	1138.2	1140.2	1138.2	1138.2
Means	1140.8	1140.8	1147 1	1140.4	1144.8	1140	1140.8	1140.1	1140.4	1140.8	1140.1	1139.8

Göttingen time.. Observatory time.	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.	Reduced to 32° F.
Aug. 1	1142.7	1133.1	1117.8	1147.4	1129.7	1151.5	1176.4	1181.1	1174.3	1159.3	1161.4	1171.9	1144.2	1049.6
2	1168.	1155.2	1143.8	1144.7	1138.7	1156.4	1155.9	1159.2	1150.2	1143.6	1143.6	1145.6	1156.9	1060.5
3	1147.5	1148.5	1143.7	1136.5	1147.5	1147.	1149.5	1156.2	1155.4	1154.	1136.9	1153.	1145.3	1051.2
5	1134.1	1129.5	1129.1	1130.2	1126.3	1124.2	1124.8	1135.	1131.1	1128.1	1129.6	1131.7	1133.8	1048.8
6	1149.1	1141.1	1135.2	1133.4	1138.8	1147.4	1153.3	1153.8	1155.8	1155.4	1156.5	1156.5	1142.6	1066.8
7	1157.4	1145.9	1144.3	1138.3	1137.1	1141.7	1143.9	1149.8	1152.7	1153.5	1151.8	1151.9	1150.9	1062.7
8	1144.9	1143.5	1151.6	1152.6	1150.2	1153.3	1162.	1161.4	1159.5	1159.9	1161.	1158.1	1149.4	1059.
9	1157.2	1138.	1137.6	1141.7	1146.2	1165.1	1188.6	1187.9	1198.9	1191.4	1195.8	1166.5	1161.4	1062.4
10	1180.7	1171.7	1163.	1159.5	1154.7	1161.	1167.7	1166.4	1165.2	1147.9	1169.4	1163.3	1173.2	1074.2
12	1149.4	1143.8	1130.9	1123.8	1124.1	1130.4	1136.1	1137.1	1140.2	1157.5	1150.6	1145.5	1141.5	1060.5
13	1154.2	1145.	1133.4	1129.9	1133.9	1142.	1147.1	1150.2	1148.6	1148.4	1147.3	1147.1	1145.1	1063.9
14	1170.4	1161.8	1153.	1145.9	1142.5	1150.1	1155.5	1156.7	1155.2	1154.3	1147.9	1149.8	1153.3	1066.1
15	1139.5	1139.4	1133.1	1133.6	1137.2	1147.4	1155.3	1151.4	1151.7	1153.6	1153.	1148.9	1148.1	1060.5
16	1158.	1152.4	1157.6	1137.3	1149.1	1165.6	1162.5	1164.8	1172.3	1164.	1159.5	1149.5	1153.2	1063.8
17	1168.6	1171.5	1163.7	1163.7	1169.6	1172.1	1180.	1181.	1174.3	1168.7	1168.7	1165.	1165.8	1068.6
19	1175.3	1171.8	1164.6	1163.6	1169.1	1167.9	1170.3	1171.3	1168.	1170.2	1163.3	1162.9	1166.4	1071.2
20	1174.	1172.	1162.4	1162.2	1159.6	1168.8	1168.2	1168.1	1173.2	1172.3	1173.2	1165.6	1165.9	1069.1
21	1158.6	1148.4	1140.	1135.8	1143.6	1143.5	1142.9	1141.9	1143.6	1150.7	1159.5	1155.5	1156.7	1066.7
22	1140.9	1141.5	1129.7	1146.4	1151.6	1127.9	1159.9	1165.9	*1140.2	*1136.3	1143.1	1144.4	1144.8	1066.6
23	1170.	1151.2	1150.8	1140.3	1156.8	1155.1	1159.7	1155.5	1172.	*1146.5	*1184.4	*1164.5	1155.8	1066.
24	1134.8	1115.6	1115.	1108.1	1119.9	1130.2	1141.	1139.1	1144.1	1137.2	1139.2	1137.2	1139.8	1052.4
26	1133.7	1124.6	1115.1	1119.3	1116.6	1130.2	1141.4	1140.5	1137.8	1136.5	1140.5	1142.2	1133.3	1055.7
27	1141.	1133.3	1127.9	1128.7	1129.6	1132.8	1133.8	1133.7	1134.6	1138.6	1136.4	1137.	1138.4	1059.4
28	1146.6	1129.2	1119.7	1114.9	1114.7	1118.7	1127.2	1123.	1125.	1125.7	1130.7	1129.4	1131.8	1055.
29	1120.2	1116.6	1097.7	1104.2	1131.2	1128.6	*1157.1	*1153.7	*1164.6	*1181.7	*1153.3	1151.8	1137.3	1061.5
30	1146.6	1132.6	1111.	1127.2	1125.3	1147.8	1154.4	1166.7	1155.2	1153.9	1153.	1149.7	1147.6	1068.
31	1151.8	1146.1	1150.9	1135.9	1151.8	1160.5	1156.5	1146.6	1149.	1154.3	1155.1	1160.3	1153.5	1072.1
Means	1152.4	1144.6	1137.9	1137.4	1140.6	1146.9	1154.5	1155.5	1156.2	1154.3	1153.8	1152.3	1149.5	
Reduced to 32° F.	1065.4	1056.	1047.8	1046.6	1047.6	1052.5	1059.5	1061.9	1062.2	1064.1	1062.6	1062.5		1061.9

* See disturbance observations.

THERMOMETER OF HORIZONTAL FORCE MAGNETOMETER. [1844.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Gmgen time...	6 02	7 02	8 02	9 02	10 02	11 02	12 02	13 02	14 02	15 02	16 02	17 02
Observatory time..	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
Aug. 1.....	77.9	77.6	77.2	76.7	76.1	75.9	75.7	75.5	75.7	76.3	77.	78.1
2.....	81.1	80.5	80.	79.5	79.	78.8	78.4	78.1	78.2	78.8	80.	80.6
3.....	77.7	77.7	76 2	75.4	75.	74.	73.6	74.	74.9	75.6	76.6	78.
5.....	77.	76.1	75.2	74.2	73.2	72.	71.3	71.4	72.	73.3	73 8	73.1
6.....	74.	73.6	73.2	72.8	72.2	71.8	71.2	71.	71.1	71.5	72.4	73.2
7.....	76.5	75.9	75.6	75.1	74.3	73.8	73.2	73.2	73.7	74.	74.5	74.8
8.....	75.2	74.8	74.2	73.2	72.8	71.9	71.2	71.4	72.	72.8	74.	75.5
9.....	78.5	77.7	77.2	77.1	76.8	76.2	76.1	76.8	77.5	78.8	80.5	81.5
10.....	84.6	84.2	83.8	83.2	82.6	81.9	81.3	81.3	81.4	82.	81.8	81.7
12.....	74.5	73.2	71.8	71.2	70.3	69.7	68.9	68.9	69.5	69.6	70.1	70.9
13.....	73.1	72.4	71.6	70.7	69.8	69.	68.2	68.1	68.9	69.2	70.5	71.5
14.....	74.6	74.1	73.2	72 8	72.2	71 7	70.9	71.2	72.2	73.4	74.	75.3
15.....	75.5	75.2	74.5	73.9	73.1	72.2	71.8	72.	72.9	73 5	74.4	75.4
16.....	75.6	74.8	74.	73.2	72.9	72.	71.7	71.5	72.2	73.2	73.9	75.4
17.....	78.8	77.3	76.7	76.1	75 6	75.	74.7	75.	75.2	75.8	77.3	78.8
19.....	79.2	77.9	77.5	77.	76.2	75.9	75.8	75.6	75.8	76.5	77.8	78.2
20.....	79.5	78.8	78.	77.5	77.	76.6	76.2	76.2	76.8	77.5	78.	79.2
21.....	81.8	81.	80.6	80.	79.2	78.4	77.5	77.7	76.6	75.1	74.2	74.2
22.....	74.9	74.	73.2	72.3	71 5	70.8	70.1	69.7	69.7	69.4	69.1	69.8
23.....	71.7	71.8	72.	72.2	72.2	72.7	72.8	73.1	73.7	74.6	76.	76.8
24.....	79.9	79.3	79.2	78.2	77.8	76.9	75.1	73.9	73.	73.2	72.8	72.8
26.....	70.7	69.9	69.1	68.4	67.8	67.1	66 8	66.6	67.6	67.8	68.5	69.6
27.....	71.8	71.2	70 6	70.	69.7	69.2	68.8	68.7	69.3	69.3	69.6	70.3
28.....	71.3	70.4	69.7	68.8	67.9	67.	66.5	69.	67.2	67.	67.2	68.5
29.....	70.8	70.	69.3	68.6	67.7	67.	66.4	66.1	66.3	66.8	67.3	68.2
30.....	71.4	71.	69 8	69.1	68.2	67.6	66.9	67.	67.4	68.1	69.	70.3
31.....	73.9	73.1	72.3	71.8	71.1	70.8	70.2	70.	70.	70.	70.5	71.
Means.....	76.	75.3	74.7	74.	73.4	72 8	72.3	72.4	72.6	73.1	74.	74.5

Göttingen time..... Observatory time.....	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.
Aug. 1.....	79.1	79.8	80.7	81.3	82.7	83.1	83.4	83.5	83.1	83.	82.4	81.7	79.3
2.....	81.6	82.7	83.6	83.6	82.4	82.1	81.	79.8	79.2	78.7	78.7	78.2	80.2
3.....	79.3	80.4	81.6	82.7	83.6	84.2	84.	83.7	83.3	82.9	82.	81.	79.1
5.....	73.7	74.3	74.7	75.7	76.3	77.	77.4	77.	75.4	75.7	75.3	74.7	74 5
6.....	74.	74.8	75.5	76.2	77.	78.	78.6	78.3	78.	77.9	77.4	76.9	74.9
7.....	75.3	75.8	76.8	77.3	78.3	79.1	79.7	78.9	77.5	77.6	77.1	76.	76.
8.....	77.	77.6	79.1	80.5	81.5	82.3	82.5	82.1	81.8	81.2	80.2	79.3	77.2
9.....	82.8	83.6	84.3	84.9	85.8	86.5	86.6	86.1	85.8	85.4	85.1	84.9	81.5
10.....	81.5	81.4	81.2	81.2	81.1	81.1	80.5	79.9	79.7	79.7	79.7	79.	81.5
12.....	71.3	71.9	72.5	73.9	74.9	76.	76.5	76.1	75.7	75.2	74.7	73.9	72.5
13.....	72.6	73.8	75.	76.1	77.	77.5	77.8	77.4	77.	76.7	76.1	75.3	73.1
14.....	76.3	77.2	78.	78.8	78.7	78.8	78.1	77.	77.	76.9	76.6	76.1	75.6
15.....	76.5	77.3	78.2	78.6	78.7	79.6	79.6	78.7	78.3	77.4	76.7	76.1	75.8
16.....	76.3	77.5	78.6	79.8	81.	82.	82.2	81.5	81.4	80.9	80.3	79.6	76.7
17.....	80.6	82.	83.5	85.	86.3	87.2	87.3	86.9	86.5	85.5	84.8	83.9	80.6
19.....	79.6	80.5	81.2	82.6	84.2	84.6	84.4	83.7	83.7	81.9	81.	80.3	79.6
20.....	80.	81.5	82.3	83.3	84.1	84.8	84.8	84.3	84.2	84.	83.2	82.4	80.4
21.....	74.5	74.8	75.5	76.	76.5	77.7	78.4	77.3	77.1	76.8	76.2	75.2	77.
22.....	69.5	69.5	69.8	70.6	71.2	71.6	71.7	71.7	71.7	71.8	71.9	71.8	71.1
23.....	78.3	79.	80.2	80.7	81.2	81.4	81.7	81.2	81.1	80 9	80.7	80.3	76.9
24.....	73.7	74.	74.8	75.	75.4	76.2	76.6	75.7	75.5	75.1	74.6	73.	75.7
26.....	70.2	71.2	71.8	72.5	73.5	74.8	75.1	74.2	74.2	74.	73.3	72.6	70.8
27.....	71.	72.1	72.9	73.	73.2	74.3	74.8	74.	73.8	73.3	72.8	73.1	71.5
28.....	69.4	70.3	71.3	72.2	72.9	74.	74.6	73.6	73.6	73.	73.4	71.6	70.4
29.....	69.3	70.4	71.3	72.1	73.2	74.4	74.9	74.9	74.3	73.8	73.1	72.4	70.4
30.....	71.6	74.1	73.8	74.7	75.4	76.1	76.3	76.1	75.8	75.3	75.	74.5	71.9
31.....	73.2	73.	73.8	74.1	74.8	75.2	75.5	75.1	74.9	74.7	74.2	73.9	73.7
Means.....	75.5	76.3	77.1	77.9	78.5	79.2	79.4	78.8	78.5	78.1	77.6	76.9	75.8

Göttingen time.... Observatory time..	h. m. 6 04 0 23½	h. m. 7 04 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
Aug. 1.....	927.2	923.	916.8	914.3	908.2	901.9	899.	895.	889.	896.8	902.7	915.6
2.....	979.3	978.	968.7	968.1	956.	948.	941.2	930.8	924.8	923.4	931.	941.2
3.....	940.1	932.2	922.	913.4	901.9	889.	875.2	868.1	865.	870.6	880.	893.2
5.....	929.	912.7	905.1	893.9	877.	858.7	840.2	828.2	824.	825.7	828.6	837.2
6.....	866.6	859.7	853.5	849.9	843.2	835.4	828.2	820.9	816.8	817.9	821.1	827.8
7.....	895.1	889.4	884.9	883.2	876.6	867.8	858.8	852.1	847.5	849.2	851.3	855.7
8.....	894.9	885.1	877.5	869.4	862.8	849.2	838.9	828.9	824.5	829.9	839.4	855.
9.....	940.1	927.4	918.	912.8	908.8	902.7	903.2	902.	906.	913.1	931.5	944.9
10.....	1019.5	1015.8	1011.9	1010.2	1006.8	995.7	984.7	979.5	976.	976.	975.9	978.6
12.....	888.2	872.6	851.7	837.2	825.6	814.9	803.6	792.1	788.4	786.	792.7	801.3
13.....	860.5	852.4	839.8	829.	817.4	803.7	789.8	781.	777.7	781.2	788.2	797.2
14.....	875.1	866.	859.	852.7	844.1	835.8	826.1	816.7	814.6	822.3	835.2	846.7
15.....	892.	885.8	878.2	875.	866.2	847.3	835 1	827.9	826.	833.6	843.1	855.5
16.....	890.	880.	867.1	859.4	851.	842.8	831.2	822.8	819.7	826.	837.3	852.6
17.....	935.	922.8	910.1	900.	892.3	882.8	873.	866.1	865.	868.8	880.2	895.2
19.....	952.	937.	928.3	920.4	910.5	901.7	893 8	888.8	882 7	885.2	891.	899.2
20.....	952.9	944.	906.	900.4	892.	884.2	881.3	869 5	864.1	867.	870.8	876.8
21.....	913.1	937.7	929.7	918.7	912.9	904.2	901.6	891.1	882.	868.8	850.9	838.3
22.....	848.	839.	832.	821.1	812.8	801.5	793.1	785.8	781.6	781.	775.3	775.
23.....	792.2	787.	797.7	808.2	799.8	801.	807.8	807.4	805.3	815.3	825.	832.4
24.....	*916.	910.	902.1	899.2	891.6	885.5	871.	851.5	836.1	827.	819.6	814.3
26.....	796.1	788.	774.2	766.7	752.4	748.	743.7	734.6	726.2	728.3	733.	754.9
27.....	†816.3	†818.3	†819.7	811.6	804.5	798.	793.1	781.6	781.	783.6	789.5	791.9
28.....	835.5	823.6	813.2	804.9	793.	780.7	770.8	772.6	761.1	761.2	762.4	768.3
29.....	830.4	818.6	813.4	805.8	795.9	780.8	780.	781 6	780.8	781.5	785.	790.
30.....	860.2	853.5	845.1	829.	818.6	805.9	796.	789.6	787.3	787.9	793.1	803.
31.....	893.8	877.8	865.6	854.1	849.	843.9	835.5	829.1	825.6	829.9	827.3	829.7
Means.....	896.3	886,9	877.4	870.7	861.8	852.3	844 3	836.2	832.5	834.7	839.3	847.3
Reduced to 32° F.	310.4	309.1	306.4	309.1	307.	305.6	304.3	298.9	291.2	288.	281.8	280.3

Göttingen time.. Observatory time.	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
Aug. 1	915.3	912.3	917.9	953.8	952.7	963.9	965.6	969.9	977.	982.7	983.7	980.2	931.9	300.1
2	951.1	959.	972.	983.1	977.3	973.9	964.7	956.8	949.4	949.1	939.9	943.3	954.6	310.7
3	906.9	920.8	965.7	981.4	1000.2	996.2	991.2	989.1	986.2	982.	981.5	983.8	934.8	303.
5	847.6	853.	861.2	865.3	878.2	886.6	891.1	894.5	888.1	880.	877.7	873.2	869.4	297.
6	837.9	849.7	838.2	878.1	887.4	894.9	901.2	905.4	904.9	904.	902.8	899.8	860.2	291.9
7	862.3	868.	876.4	902.	915.1	923.9	930.3	932.2	924.6	915.8	911.2	905.4	886.6	298.
8	872.6	889.3	907.5	922.5	938.1	949.6	959.9	963.7	963.6	960.9	956.4	947.7	895.1	298.1
9	959.7	971.1	977.9	988.8	994.7	1001.8	1012.9	1016.3	1015.	1014.	1014.6	1017.2	958.1	297.9
10	978.	971.8	959.9	965.1	964.1	962.4	962.1	957.9	951.5	952.5	948.1	946.2	977.3	317.1
12	810.6	820.5	830.4	839.2	851.1	864.6	876.3	882.7	879.8	875.5	872.4	868.4	838.6	291.9
13	810.2	832.8	853.3	867.5	879.3	886.1	894.1	897.1	895.	890.9	887.5	882 9	841.4	290.7
14	865.4	884.4	894.8	906.1	914.1	915.4	916.7	911.8	903.8	901 9	899.5	897.3	871.9	296.8
15	873.8	888.	897.	911.1	916.7	923.1	931.2	930.1	924.4	915.3	903.9	896.8	882.4	296.5
16	867.6	881.4	898.9	912 7	926.7	939.5	952 9	955.1	953.4	950.8	947.6	943.9	886.7	290.
17	913.1	939.6	912.3	979.6	994.2	1005.7	1015.4	1018.7	1018.8	1015.9	1011.5	1006.	938.9	288.7
19	910.3	923.4	938.9	947 5	963.2	975.4	982.4	986.1	984.	977.2	969.3	960.7	933.8	285.8
20	889.1	904.7	916.8	931.7	940.2	949.1	954.2	955.2	955.6	954.	952 3	947.8	915.	268.3
21	836.4	837.1	810.	844.6	848.7	854.2	864.5	871.1	868.8	864.3	860 9	855.5	876.	267.2
22	774.7	770.9	766.9	821.2	806.4	794.9	791.9	787.	†791.3	†795.8	794.1	791.8	797.2	270.7
23	845.6	866.	873.2	891.6	896 5	904.5	910.	913.3	911.3	†914.7	†911.9	†919.2	851.5	254.5
24	817.7	822.2	822.2	832.2	827 6	835.9	848.7	845.7	840.8	844.9	840.8	829.6	851.4	265.5
26	763.5	*776.6	*782.1	*800.7	*806.9	*811.2	*818.	*817.7	*813.6	*808.8	801.5	*813.6	777.2	265.5
27	797.4	810.8	822.2	835.6	841.7	846.9	860.2	863.	857.9	852.9	850.8	843.8	819.7	291.9
28	779.	792.4	805.9	823.2	829 7	835.	850.6	854.	853.2	849.2	844.2	838.3	808.5	292.8
29	802.7	813.4	809.9	845.2	853.4	863.1	†872.2	†877.4	†877.	†868.8	†881.4	868.	824.1	306.7
30	818.	832.7	826.5	869.	877 2	887.5	894.9	897.6	898.6	892.3	888.5	887.6	843.3	306.
31	836.4	844.9	855.	864.1	873.8	880.2	886.8	889.	887.3	885.2	884 8	883.8	859.7	315.7
Means	857.1	868.4	874.8	894.9	902.	907.6	915.	917.3	913.7	910.3	908.1	904.9	877.2	
Reduced to 32° F.	271.2	269.	261.9	272.6	272.9	274.4	283.	295.	294.	297.4	300.6	310.9		291.4

*Supplied.

† See disturbance observations.

...gen time... / ...servatory time..	h. m. 6 04 / 0 23½	h. m. 7 04 / 1 23½	h. m. 8 04 / 2 23½	h. m. 9 04 / 3 23½	h. m. 10 04 / 4 23½	h. m. 11 04 / 5 23½	h. m. 12 04 / 6 23½	h. m. 13 04 / 7 23½	h. m. 14 04 / 8 23½	h. m. 15 04 / 9 23½	h. m. 16 04 / 10 23½	h. m. 17 04 / 11 23½
Aug. 1	77.1	77.	76.8	76.1	75.8	75.3	75.	75.	75.3	76.	76.6	77.4
2	80.2	79.8	79.4	79.	78.3	78.	78.9	77.5	77.9	78.9	79.2	80.
3	77.1	76.6	75.8	75.	74.4	73.8	73.1	73.4	74.1	75.1	76.	77.8
5	76.7	75.8	75.	74.1	73.	72.	71.2	71.2	71.5	72.	72.7	73.4
6	73.6	73.1	72.8	72.3	71.8	71.2	70.8	70.6	70.8	70.9	71.8	72.8
7	75.4	75.2	75.	74.4	74.	73.2	72.8	72.6	72.9	73.4	73.8	74.3
8	75.	74.5	74.	73.	72.6	71.8	71.	70.9	71.2	72.2	73.3	74.9
9	78.	77.2	77.	76.6	76.2	75.8	75.8	76.	76.9	77.	79.7	81.8
10	84.	83.5	83.	82.8	82.1	81.2	81.	80.9	80.9	81.3	81.3	81.1
12	74.1	73.	71.8	71.3	70.4	69.8	69.	68.8	69.2	69.3	70.	70.8
13	72.9	72.	71.3	70.5	69.8	68.9	68.1	68.	68.9	68.9	70.	71.8
14	74.	73.5	73.	72.2	71.9	71.1	70.6	70.6	71.3	72.2	73.9	74.4
15	75.	74.6	74.	73.5	72.9	71.9	71.2	71.3	72.1	72.5	73.7	75.3
16	75.	74.2	73.	73.	72.5	71.8	71.3	71.1	71.8	72.5	73.5	74.7
17	77.9	77.	76.2	76.0	75.1	74.4	74.	75.	74.3	75.	76.6	78.3
19	78.9	77.7	77.2	76.8	76.1	75.7	75.3	75.3	75.6	76.2	77.3	78.
20	79.	78.2	77.5	77.	76.8	76.2	75.9	75.7	76.2	76.8	77.5	78.6
21	81.	80.6	80.1	79.7	79.	78.2	77.6	77.2	76.1	75.	74.2	74.4
22	74.1	73.7	73.	72.2	71.5	70.8	70.1	69.9	69.8	69.5	69.3	69.4
23	71.	71.1	71.3	71.6	71.8	71.8	71.9	72.2	72.	74.2	75.9	76.9
24	79.	78.8	78.2	77.8	77.1	76.2	74.9	73.6	73.1	73.	72.8	73.9
26	70.	69.4	69.7	69.	67.7	66.9	66.3	66.	66.4	67.	68.	69.2
27	71.3	70.8	70.2	69.8	69.2	68.9	68.2	68.	68.4	68.	69.1	70.
28	71.	70.1	69.6	68.7	67.8	67.	66.5	66.3	66.6	66.6	67.3	68.3
29	70.6	69.9	69.1	68.4	67.5	66.9	66.1	66.	66.2	66.6	67.2	68.2
30	71.	70.5	69.8	69.	68.1	67.3	66.6	66.5	67.3	67.8	68.9	70.6
31	73.4	72.8	72.	71.5	70.9	70.3	70.	70.	69.8	69.6	70.	70.8
Means												

Göttingen time Observatory time	*h. m.* 18 04 12 23½	*h. m.* 19 04 13 23½	*h. m.* 20 04 14 23½	*h. m.* 21 04 15 23½	*h. m.* 22 04 16 23½	*h. m.* 23 04 17 23½	*h. m.* 0 04 18 23½	*h. m.* 1 04 19 23½	*h. m.* 2 04 20 23½	*h. m.* 3 04 21 23½	*h. m.* 4 04 22 23½	*h. m.* 5 04 23 23½	Means.
Aug. 1	78.3	79.3	80.3	83.8	82.6	82.3	82.5	82.5	83.1	82.	81.7	80.9	78.8
2	81.1	82.5	83.4	82.8	81.7	81.4	80.1	79.1	78.8	78.3	78.1	77.9	79.7
3	79.	80.6	83.8	86.	84.4	83.7	83.1	82.5	82.3	82.	81.1	80.4	78.8
5	74.1	74.8	74.6	76.2	76.6	77.	77.	76.3	75.	75.1	74.8	74.	74.4
6	73.8	74.4	75.9	76.3	77.	77.1	77.4	77.	76.9	76.9	76.5	76.	74.1
7	75.3	76.2	77.3	78.3	79.1	79.3	79.3	78.3	77.3	77.2	76.8	75.7	75.7
8	76.8	77.5	78.8	80.	81.	81.4	81.4	80.9	80.7	80.3	79.5	78.8	76.3
9	82.1	83.3	83.7	84.5	85.7	85.8	85.5	85.	84.9	84.4	84.2	84.	80.9
10	81.	80.8	80.6	80.6	80.5	80.4	80.	79.4	79.1	79.1	79.2	78.6	80.2
12	71.7	72.6	73.2	74.7	75.3	76.	76.3	75.5	75.1	74.8	74.2	73.5	73.5
13	72.9	74.2	75.	76.1	76.4	76.8	76.9	76.3	76.	75.8	75.4	74.7	72.8
14	76.5	77.2	77.8	78.2	77.8	77.8	77.3	76.4	76.3	76.2	76.	75.5	74.6
15	76.4	77.2	78.3	78.3	78.8	79.3	79.	78.1	77.8	76.9	76.2	75.7	75.4
16	76.3	77.7	79.	79.8	81.	81.4	81.2	80.4	80.4	80.	79.5	78.9	76.2
17	80.3	82.2	84.2	85.1	86.3	86.6	86.4	85.6	85.4	84.7	84.	83.1	80.2
19	79.5	80.7	80.8	82.3	83.7	83.6	83.3	92.7	81.9	81.1	80.3	79.7	80.
20	80.	81.6	82.3	83.3	83.9	84.3	84.	83.4	83.2	83.1	82.5	81.8	79.9
21	75.1	75.3	76.7	76.4	76.8	77.7	78.1	77.	76.7	76.3	75.9	75.	77.1
22	69.4	69.4	70.	71.7	71.9	71.4	71.2	71.1	71.	71.1	71.2	71.1	71.
23	78.1	79.3	80.4	80.3	80.3	81.	80.9	80.2	80.1	80.	79.9	79.7	76.3
24	74.1	74.6	75.5	76.	76.3	76.6	76.7	75.5	75.3	74.8	74.3	73.9	75.4
26	70.	71.4	71.5	72.4	73.3	74.2	74.3	73.4	73.5	73.2	72.7	72.	69.9
27	71.2	72.4	72.7	73.2	73.6	74.8	74.8	73.5	72.2	72.8	72.3	71.7	71.1
28	69.8	70.9	71.4	72.4	72.9	74.2	74.3	73.1	73.	72.6	72.	71.3	70.2
29	69.3	70.6	72.4	72.8	74.	74.9	75.1	74.6	73.9	73.3	72.9	72.2	70.4
30	71.8	73.8	76.	74.7	75.8	76.5	76.	75.5	75.3	75.	74.5	74.	71.8
31	71.8	72.5	73.2	73.3	74.5	74.8	74.9	74.1	74.	73.9	73.3	72.9	72.3
Means	75.4	76.4	77.4	78.1	78.6	78.9	78.8	78.1	77.9	77.4	77.	76.	75.4

TRIPLE OBSERVATIONS. [1844.

	Declination.			Horizontal force.				Vertical force.			
Aug.	A. m. 13 54 Observatory time 8 13½	A. m. 14 00 8 19½	A. m. 14 06 8 25½	A. m. 13 56 8 15½	A. m. 14 02 8 21½	A. m. 14 08 8 27½	Temperature Fahrenheit.	A. m. 13 58 8 17½	A. m. 14 04 8 23½	A. m. 14 10 8 29½	Temperature Fahrenheit.
1	560.4	561.3	560.9	1131.5	1134.5	1133.	75.7	889.	889.	888.8	75.8
2	561.2	560.6	561.8	1155.7	1155.8	1157.2	76.2	925.2	924.8	924.2	77.2
3	556.5	554.1	553.6	1143.2	1145.2	1141.8	74.9	885.	885.	884.7	74.1
4	555.2	557.2	557.2	1136.3	1136.	1139.4	73.	884.5	884.	884.2	71.5
5	555.6	555.6	555.4	1139.1	1139.7	1140.1	71.1	917.1	916.8	916.7	70.8
6	545.2	545.2	545.1	1150.2	1151.1	1152.	73.7	947.8	947.5	947.2	72.9
7	560.	560.	559.	1138.1	1138.7	1140.	73.	884.2	884.5	884.8	71.2
8	548.5	550.8	549.6	1143.1	1143.6	1148.2	77.5	905.2	906.	907.2	76.2
9	560.1	557.8	555.4	1152.2	1150.6	1150.2	81.4	976.2	976.	975.2	80.2
12	561.1	561.1	559.7	1142.1	1142.2	1142.2	69.5	788.8	788.4	788.	69.2
13	575.	573.6	573.	1144.4	1145.6	1148.2	68.2	778.1	777.7	777.8	68.2
14	562.1	562.4	561.8	1163.4	1164.	1167.	73.2	814.4	814.6	815.	71.2
15	560.5	560.7	560.9	1156.2	1159.4	1161.5	73.2	835.2	836.	836.1	73.1
16	562.2	561.5	561.1	1155.	1156.7	1158.1	73.2	819.2	819.7	820.2	71.2
17	562.4	564.2	562.6	1168.2	1170.	1171.	75.2	864.5	865.	864.8	74.2
19	565.5	566.	566.9	1165.	1167.2	1166.8	75.2	862.4	862.7	862.2	73.6
20	562.5	562.1	561.2	1164.	1166.4	1165.2	76.2	864.2	864.1	864.	76.2
21	562.2	561.7	560.6	1165.4	1167.1	1166.5	76.6	864.4	862.	860.6	76.1
22	561.6	562.	561.3	1152.4	1158.2	1166.2	69.7	781.7	781.6	780.2	69.2
23	557.2	559.	558.	1157.6	1155.	1155.7	72.7	804.5	805.2	805.	72.
24	554.	553.7	553.5	1151.	1150.2	1152.2	73.	837.	836.1	835.2	72.1
26	553.2	552.5	552.1	1149.	1149.2	1150.2	67.6	786.2	786.2	785.2	66.4
27	548.2	552.6	552.2	1151.2	1152.2	1154.2	69.2	780.4	781.	781.1	68.4
28	555.5	554.4	553.2	1146.	1147.4	1149.2	67.2	781.4	781.1	781.1	66.6
29	555.1	554.	552.1	1145.2	1146.1	1145.5	66.2	780.2	780.2	780.7	66.2
30	550.1	550.2	550.6	1152.7	1156.7	1156.1	67.4	787.2	787.2	787.2	67.2
31	546.6	546.6	547.2	1162.7	1162.6	1166.2	70.	836.1	836.6	835.1	69.2

Göttingen time... / Observatory time..	h. m. 6 00 0 19½	h. m. 7 00 1 19½	h. m. 8 00 2 19½	h. m. 9 00 3 19½	h. m. 10 00 4 19½	h. m. 11 00 5 19½	h. m. 12 00 6 19½	h. m. 13 00 7 19½	h. m. 14 00 8 19½	h. m. 15 00 9 19½	h. m. 16 00 10 19½	h. m. 17 00 11 19½
Sept. 2.....	551.1	546.1	541.6	536.6	545.7	549.1	554.3	551.6	548.7	547.7	540.1	533.6
3.....	544.8	545.8	545.5	547.8	544.3	549.7	556.2	560.4	557.9	552.	541.3	534.9
4.....	552.3	545.8	545.9	547.	537.	537.3	556.9	559.	556.2	551.	536.5	532.1
5.....	545.1	543.2	544.6	533.7	548.9	550.	555.2	555.1	553.3	548.1	539.9	534.6
6.....	542.2	542.7	543.2	544.1	545.1	545.	546.8	548.8	548.6	545.	538.2	531.5
7.....	548.2	545.7	544.6	548.5	550.5	550.7	556.	555.	555.	544.7	539.6	534.6
9.....	548.1	534.3	544.2	548.1	552.7	554.	556.5	557.3	554.7	546.1	540.7	538.3
10.....	545.7	542.3	546.9	543.	549.9	548.8	554.	555.	550.	545.	539.3	534.5
11.....	*540.3	544.2	544.8	546.	547.5	549.	552.7	556.5	551.7	545.1	539.5	532.4
12.....	544.1	544.7	545.6	546.7	548.4	550.	553.2	555.5	552.8	546.7	538.	529.4
13.....	543.3	544.8	546.8	547.4	547.7	550.5	555.	559.1	556.6	547.9	539.2	532.6
14.....	547.	545.3	548.1	553.	553.2	554.5	554.7	559.	556.3	551.1	540.1	532.2
16.....	550.8	550.6	554.1	555.6	551.1	553.	556.3	554.5	557.4	550.6	541.4	535.8
17.....	543.7	546.	549.	553.6	550.9	550.4	547.	553.7	552.2	548.8	542.4	536.
18.....	545.	542.3	548.	544.6	550.5	549.9	552.8	555.2	556.	550.2	543.5	536.9
19.....	538.5	541.	542.	544.	544.	543.7	540.	542.7	544.	544.4	541.8	537.7
20.....	555.7	553.7	557.6	547.5	542.5	539.4	534.9	547.5	548.5	547.8	533.3	528.2
21.....	543.3	530.7	541.5	539.1	546.6	543.4	543.7	539.1	547.	543.7	534.9	532.2
23.....	539.9	543.3	523.	555.	544.1	545.2	541.6	539.7	539.4	533.7	531.4	526.
24.....	542.5	536.1	542.8	542.5	541.5	543.5	541.2	545.1	538.1	532.5	526.1	526.1
25.....	538.1	538.4	540.8	540.8	542.4	539.3	543.4	547.5	537.9	543.3	534.6	529.6
26.....	545.	541.6	515.5	554.3	540.	545.4	540.8	552.5	541.1	537.7	524.8	522.7
27.....	542.1	542.	556.	551.	536.6	523.5	545.9	548.6	549.5	543.6	530.6	523.2
28.....	538.1	537.4	536.6	537.4	539.4	538.8	538.2	538.6	541.	538.9	540.6	533.9
30.....	562.1	533.8	533.5	540.1	545.4	543.5	545.4	544.	536.	537.8	537.3	525.7
Means	545.4	542.1	543.3	545.8	545.8	545.9	548.8	551.2	549.	544.9	537.4	531.8

* One minute soon.

Göttingen time... / Observatory time.	h. m. 6 02 / 0 21½	h. m. 7 02 / 1 21½	h. m. 8 02 / 2 21½	h. m. 9 02 / 3 21½	h. m. 10 02 / 4 21½	h. m. 11 02 / 5 21½	h. m. 12 02 / 6 21½	h. m. 13 02 / 7 21½	h. m. 14 02 / 8 21½	h. m. 15 02 / 9 21½	h. m. 16 02 / 10 21½	h. m. 17 02 / 11 21½
Sept. 2.....	1157.3	1159.1	1162.	1163.8	1158.9	1154.	1152.9	1166.4	1162.8	1166.8	1178.6	1180.8
3.....	1166.4	1166.7	1161.5	1158.9	1165.1	1155.3	1154.6	1157.7	1168.	1168.2	1172.1	1169.8
4.....	1151.1	1151.9	1148.8	1144.2	1146.	1150.6	1133.	1138.3	1150.7	1167.8	1169.1	1164.9
5.....	1157.9	1151.6	1151.1	1158.8	1145.5	1143.2	1141.	1146.5	1155.9	1157.4	1169.2	1164.6
6.....	1146.9	1130.8	1144.1	1142.9	1139.6	1137.5	1136.9	1141.	1148.9	1155.	1166.4	1162.
7.....	1145.9	1142.5	1144.	1136.1	1134.4	1133.5	1125.3	1134.	1147.	1152.5	1158.7	1150.1
9.....	1149.5	1141.4	1145.2	1153.1	1146.7	1138.4	1142.6	1151.3	1163.2	1172.3	1172.7	1171.2
10.....	1064.	1062.	1058.8	1081.6	1075.	1101.9	1104.6	1113.9	1125.7	1134 3	1131.9	1126.
11.....	*1110.2	1105.1	1105.1	1105.1	1105.2	1105.1	1106.2	1117.4	1130.	1136.5	1134.4	1131.8
12.....	1100.2	1100.	1098.3	1100.6	1100.4	1097.9	1102.2	1115.4	1127.6	1134.3	1134.4	1132.5
13.....	1089.5	1087.4	1084.5	1085.9	1084.	1107.8	1104.1	1123.1	1137.7	1139.3	1146.5	1142.8
14.....	1105.1	1107.9	1106.5	1112.2	1100.5	1107.5	1114.2	1116.	1126.4	1133 9	1142.5	1146.
16.....	1112.8	1113.2	1124.5	1124.1	1116.8	1111.7	1112.	1117.6	1127.	1129.4	1131.6	1136.6
17.....	1117.9	1115.9	1113.5	1104.5	1113.2	1111.	1129.6	1120.9	1131.2	1135.5	1148.2	1145.7
18.....	1115.2	1137.2	1125.	1126.2	1120.	1117.7	1117.9	1123.	1128.8	1137.4	1139.9	1139.3
19.	1104.4	1105.2	1108.9	1104.5	1100.7	1104.5	1103.8	1101.	1104.	1111.5	1106.8	1101.7
20.....	1117.1	1122.7	1116.	1107.2	1104.3	1099.7	1086.8	1107.6	1116.3	1129.9	1132.9	1132.1
21.....	1123.1	1129.8	1127.5	1124.1	1121.5	1127.3	1118.4	1125.7	1126.8	1133.1	1141.6	1139.1
23.....	1090.2	1090.	1090.1	1089.7	1079.2	1079.5	1098.2	1099.6	1092.5	1098.6	1101.9	1095.4
24.....	1106.2	1106.	1104.5	1097.6	1093.1	1092.9	1096.6	1103.	1113.	1126.6	1115.7	1110.1
25.....	1111.	1105.5	1105.6	1101.9	1101.3	1099.9	1089.4	1098.2	1114.4	1116.3	1120.	1129.3
26.....	1127.9	1123.7	1118.2	1106.8	1108.5	1109.4	1103.2	1091.8	1108.7	1124.9	1152.3	1147.1
27.....	1130.	1122.3	1134.5	1135.4	1113.	1106.8	1102.	1101.5	1120.2	1132.2	1143.8	1124.3
28.....	1113.6	1110.2	1105.5	1102.4	1098.7	1098.	1099.2	1103.3	1103.5	1110.7	1109.2	1112.9
30.....	1107.4	1117.9	1106.2	1106.	1088.4	1093.4	1094.5	1106.7	1145.6	1151.5	1139.4	1144.6
Means	1120.9	1119.8	1119.6	1119.3	1115.5	1115.2	1114.8	1120.8	1131.	1137.8	1142.5	1139.6
Reduced to 32° F.	1046.2	1042.9	1046.9	1047.7	1045.5	1045.7	1046.	1052.	1062.4	1068.2	1071.8	1067.

* One minute soon.

HORIZONTAL FORCE MAGNETOMETER—Continued.

(1944.

Seventy units.	A. m. 13 03 13 21½	A. m. 19 03 13 21½	A. m. 20 03 14 21½	A. m. 21 03 15 21½	A. m. 22 03 16 21½	A. m. 23 03 17 21½	A. m. 0 03 18 21½	A. m. 1 03 19 21½	A. m. 2 03 20 21½	A. m. 3 03 21 21½	A. m. 4 03 22 21½	A. m. 5 03 23 21½	Means.	Reduced to 32° F.
Sept. 2	1171.7	1164.2	1157.9	1158.1	1161.6	1165.8	1167.8	1171.3	1170.8	1170	1168.9	1169.8	1166.1	1040.8
3	1168.	1159.1	1143.6	1135.8	1135.8	1144.	1118.5	1147.4	1160.7	1160.4	1167	1164.7	1148.1	1078.1
4	1150.	1149.4	1145.2	1138.9	1150.4	1153.4	1154.7	1158.8	1164.8	1167.7	1168.8	1164.8	1161.8	1078.8
5	1156.4	1139.6	1137.1	1135.5	1138.5	1143.2	1146.6	1149.0	1161.8	1168.8	1168.8	1149.8	1149.8	1078.1
6	1157.8	1146.7	1138.1	1135.	1137	1140.2	1140.2	1118.8	1139.4	1140.0	1139.5	1140.8	1144.8	1078.1
7	1148.3	1133.3	1130.3	1134.1	1134.8	1136.5	1139.4	1141.6	1150.0	1149.0	1146.7	1146.	1141.0	1080.0
9	1158.7	1155.6	1136.5	1140.8	1137.1	1159.0	1161.4	1161	1173.0	1167.7	1080.1	1049	1147.1	1087.0
10	1114.	1106.8	1098.6	1101.6	1103.8	1116.0	1117.5	1119.4	1120.1	1116.5	1114.7	1111.8	1108.0	1041
11	1098.6	1092.9	1087.8	1080.3	1099.3	1102.6	1106.3	1106.	1107.3	1106.8	1104.8	1107.4	1107.8	1040.0
12	1125.3	1113.1	1073.6	1107.0	1104.8	1108.3	1109.3	1096.5	1099.3	1091.7	1099.5	1099.8	1106.6	1040.6
13	1131.4	1120.5	1108.3	1104.8	1106.	1105.3	1108.0	1100.5	1108.4	1113.5	1114.8	1101.1	1111.8	1080.7
14	1133.5	1126.3	1112.6	1099.5	1097.3	1104.3	1114.9	1110.6	1110.8	*1148	*1108.8	1106.5	1110.1	1040
16	1121.2	1108.	1103.6	1098.0	1100.	1110.	1125.5	1140.5	1148.8	1141.6	1107.5	1108.4	1101	1038.8
17	1139.7	1130.9	1131.9	1125.3	1125.6	1128.9	1126.5	1128.7	1131.8	1128.0	1149.	1146.8	1128.8	1049.1
18	1136.	1130.	1117.	1116.4	1117.9	1116.	1141.3	1138.	1136	1130.6	1118.9	1116.	1126.1	1047.1
19	1096.3	1094.5	1088.9	1093.7	1084.7	1089.6	1096.6	1108.5	1126.9	*1114.4	*1107.5	1106.4	1105.4	1038.4
20	1115.1	1116.5	1134.7	1133.3	1120.6	1128.5	1120.8	1120.8	1120.8	1114.4	1101.5	1104.	1120.8	1038.8
21	1139.4	1123.2	1118.3	1125.8	1131.6	1135.	1126.1	1135.	1113.	1140.7	1139.8	1138.3	1129.	1044.
23	1090.9	1088.3	1080.1	1076.6	1077.6	1084.5	1086.7	1094.	1100.7	1100.5	1100.1	1096.6	1091.1	1038.7
24	1111.3	1103.6	1103.9	1101.	1101.1	1106.7	1107.7	1105.8	1108.	1094.6	1095.6	1108.1	1104.7	1041.6
25	1124.3	1111.9	1105.5	1119.4	1118.1	1123.	1147.1	1150.3	1107.4	1144.1	1127.7	1129.5	1118.9	1046.4
26	1154.8	1126.1	1179.2	1143.7	1147.	1138.6	1138.3	1131.5	1130.1	1138.4	1131.3	1111.3	1137.	1068.1
27	1111.6	1111.8	1107.9	1109.3	1106.3	1105.3	1110.8	1104.6	1128.4	1118.7	1126.3	1087.8	1115.9	1061.9
28	1114.5	1090.2	1093.	1100.9	1108.2	1110.3	1106.7	1106.9	1106.9	1101.	1106.1	1113.4	1105.3	1043.8
30	1129.8	1120.1	1117.	1134.6	1117.3	1122.5	1117.8	1131.	1108.	1151.8	1160.6	1172.3	1124.3	1066.1
Means	1131.7	1122.9	1120.3	1116.9	1118.9	1122.6	1126.5	1127.1	1126.3	1131.3	1127.5	1126.3	1124.9	
Reduced to 32° F.	1057.2	1046.5	1041.8	1037.1	1038.	1040.7	1044.4	1046.4	1047.6	1051.4	1048.2	1048.2		1049.2

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time...	6 02	7 02	8 02	9 02	10 02	11 02	12 02	13 02	14 02	15 02	16 02	17 02
Observatory time.	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
Sept. 2.....	75.3	74.9	74.5	73.9	73.3	72.7	72.1	71.9	72.	72.2	73.1	74.8
3.....	77.3	76.8	76.3	75.8	75.3	74.9	74.6	75.8	74.8	75.	74.8	75.
4.....	73.2	72.4	71.6	70.9	70.	69.2	68.5	69.	69.	69.3	69.4	70.6
5.....	73.6	72.8	71.9	71.7	70.2	69.4	68.8	69.7	68.8	68.	68.	68.8
6.....	69.4	68.6	67.8	67.	66.2	65.4	64.9	64.7	65.	65.8	66.3	67.3
7.....	67.9	66.9	66.3	65.6	64.9	64.1	63.5	63.2	63.5	64.7	65.2	67.8
9.....	72.2	71.6	71.2	70.8	70.4	70.1	70.	69.6	69.6	69.9	70.5	71.6
10.....	76.1	75.2	74.5	73.7	72.9	72.1	71.7	71.5	71.8	72.6	73.6	74.8
11.....	75.3	74.6	74.2	73.8	73.1	72.5	71.9	71.2	71.2	71.6	72.5	73.3
12.....	74.3	74.3	74.3	73.9	73.4	73.1	72.9	72.8	72.7	72.3	72.	72.3
13.....	69.8	69.4	69.	68.7	68.2	68.	68.	67.8	67.8	68.3	69.	70.3
14.....	72.5	72.1	71.2	70.6	70.	69.3	68.4	67.2	67.7	68.6	69.6	70.5
16.....	76.2	75.8	75.2	74.5	73.8	73.	72.4	72.	72.	72.5	74.4	75.5
17.....	76.8	76.8	75.	74.4	73.9	73.5	73.	74.3	74.	75.	76.5	77.
18.....	72.6	75.5	75.	74.3	73.6	73.	71.9	71.9	71.9	72.6	73.	74.3
19.....	78.2	77.2	76.3	75.5	74.5	73.6	72.1	71.2	71.2	71.2	72.2	73.9
20.....	74.1	73.5	72.3	71.8	70.6	70.1	69.9	69.4	69.8	70.4	71.4	72.3
21.....	77.2	76.8	76.3	75.8	75.6	75.1	74.8	74.8	75.2	75.9	77.	78.
23.....	63.6	63.3	63.2	61.8	60.7	59.9	59.2	59.1	59.4	59.4	59.4	60.2
24.....	64.2	63.5	63.	62.6	62.1	61.9	61.7	61.7	62.5	63.	64.3	65.5
25.....	68.3	68.3	66.7	67.6	67.3	67.1	67.1	67.2	67.5	68.	68.2	68.2
26.....	69.9	69.6	68.8	68.3	67.8	67.2	66.9	66.3	64.9	64.8	65.	65.4
27.....	62.9	62.3	61.4	60.5	59.9	59.	58.4	58.4	58.9	59.3	59.5	59.7
28.....	59.9	59.7	59.4	58.9	58.6	58.4	58.1	57.9	58.	58.	57.5	57.5
30.....	61.8	61.9	62.3	62.2	62.8	63.5	65.4	65.7	66.6	67.6	67.8	70.5
Means.....	71.3	70.9	70.3	69.7	69.1	68.6	68.2	68.2	68.1	68.6	69.2	70.2

Göttingen time Observatory time	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.
Sept. 2	75.8	76.7	77.3	78.6	78.9	79.2	79.3	79.1	78.9	78.8	78.4	77.9	75.8
3	75.6	75.6	75.7	75.8	76.4	77.3	77.2	76.1	76.	75.6	74.9	73.9	75.7
4	71.6	72.8	74.	75.	76.	77.	77.5	76.9	76.6	76.1	75.3	74.6	72.8
5	69.6	70.8	71.2	71.3	71.9	72.8	73.	72.5	71.9	71.5	70.9	70.2	70.8
6	68.2	69.2	70.4	70.8	71.4	72.2	72.2	71.3	71.	70.5	69.6	68.8	68.5
7	68.8	70.6	71.4	72.1	73.	73.9	74.	73.8	73.4	73.	72.5	71.7	68.9
9	73.1	74.1	75.3	76.5	77.9	78.8	79.1	78.3	78.3	77.9	77.4	76.9	73.4
10	76.2	77.8	78.8	80.	80.9	81.8	81.5	80.2	79.6	79.2	78.8	76.5	76.3
11	74.5	76.2	77.4	78.	78.4	78.4	78.1	77.6	77.3	77.1	76.7	74.9	75.
12	72.9	73.	73.	72.5	72.2	72.	71.6	71.1	71.	70.9	70.6	70.2	72.5
13	71.2	72.	73.4	74.3	75.	75 8	75.9	75.2	75.1	74.7	73.9	73.3	71.4
14	71.8	73.2	74.9	76.1	77.3	78.3	78.8	78.2	77.7	77.1	76.7	75.8	73.1
16	76.6	78.2	79.1	80.	80.9	81.6	81.6	80.7	80.5	79.8	78.9	78.	76.8
17	78.1	79.5	80.5	81.	81.3	82.	81.2	80.3	79.9	79 3	78.7	77.2	77.4
18	75.4	77.2	78.8	80.1	81.6	82.2	82.5	82.4	82.3	81.6	79.7	79.3	76.7
19	74.	74.8	75.8	77.	77.7	78.4	78.2	77.2	77.	76.7	76.4	75.7	75.2
20	74.	75.6	77.	78.4	79.8	80.5	80.5	80.	79.5	79.1	78.7	78.	74.9
21	79.7	80.4	81.6	82.8	83.1	83.4	83.3	82.6	82.1	81.7	81.	79.9	78.1
23	61.2	62.1	63 2	64.2	65.	66.3	66.7	65.9	65.7	65.5	65.1	64.8	60.6
24	66.5	67.5	68.5	68.3	69.8	70.9	70.5	70.4	70.1	69.8	69.4	68.7	65.7
25	68.8	69.3	69.8	70.5	71.	71.4	71.5	71.7	71.7	71.5	71.	70.3	69.2
26	65.8	65.8	65.7	65.7	65.9	66.2	66.	64.6	64.7	64.7	64.1	63.6	66.1
27	60.6	61.3	62.	61.6	60.3	60.1	60.7	59.1	60.	60.3	60.3	60.2	60.9
28	59.2	63.3	65.2	66.8	66.7	67.	67.	66.9	66.5	66.1	66.1	65.3	62.
30	72.	74.	73.7	73 2	72.5	73.2	71.3	70.6	70.8	70.9	70.8	70.3	68.4
Means	71.2	72.2	73.3	74.	74.6	75.2	75.2	74.5	74.3	74.	73.4	72.4	71.5

Göttingen time.. Observatory time.	h. m. 6 04 0 23½	h. m. 7 04 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
Sept. 2.....	910.5	902.	896.8	891.9	886.1	876.8	870.3	865.5	862.2	860.4	865.	877.1
3.....	945.2	939.1	933.2	927.7	920.8	915.4	909.1	905.7	902.7	904.8	902.5	903.6
4.....	904.1	890.1	879.2	870.6	861.2	853.6	846.	832.8	829.6	829.9	831.6	831.2
5.....	899.2	887.7	878.	869.9	861.	849.	840.9	831.5	827.6	823.8	820.	820.3
6.....	841.1	832.	822.2	813.7	805.4	795.8	787.4	781.	779.	780.	794.3	781.3
7.....	827.4	814.3	802.7	796.1	788 1	779.	772.3	766.1	765.9	770.1	778.	791.1
9.....	876.1	872.2	865.	857.1	849.7	845.5	842.9	840.1	837.5	835.6	836 1	841.8
10.....	927.5	919.4	911.2	907.2	890.1	879.2	872.	865.8	862.	864.6	870.	879.
11.....	*952.1	918.6	922.5	899.1	892.4	886.2	877.	867.5	861.4	858.7	860.4	865.2
12.....	909.6	902.3	897.5	895.	892.	887.5	884.	881.	877.4	875.	870.8	867.8
13.....	845.5	839.9	835.7	831.6	827.2	822.7	819.1	818.4	816.1	816.7	819.	822.9
14.....	880.5	888.4	871.9	863.8	859.8	848.9	837.6	832.4	815.2	816.5	822.8	830.7
16.....	935.1	927.1	917.6	909.8	903.4	893.8	886.	878.2	875.1	874.2	878.7	889.2
17.....	943.8	930.4	918.6	911.1	903.1	895.	888.	883.9	880.9	886.9	897.	906.8
18.....	938.6	927.6	920.	913.2	904.	895.2	884.2	874.	869.	868.6	872.8	878.1
19.....	963.	951.3	940.3	931.	921.1	909.2	896.9	883.2	868.8	865.1	867.7	871.5
20.....	912.7	897.	877.3	869.3	862.	863.	857.6	842.1	834.3	835.7	840.2	848.8
21.....	932.	927.9	921.1	917.6	913.8	906.	901.3	893.9	890.2	890.4	896.5	906.8
23.....	†776.1	768.1	758.2	757.	745.	737.1	727.4	721.5	713.	713.2	714.9	718.9
24.....	775.	768.9	761.1	755.	751.3	747.	743.7	738.9	736.6	738.1	745.	758.9
25.....	818.3	807.9	806.5	804.	802.8	801.	803.	801.5	800.8	803.	805.6	805.2
26.....	834.4	834.8	845.2	839.	820.	819.1	817.7	805.8	797.3	785.5	781.	777.9
27.....	780.	768.	770.6	751.5	741.5	738.1	723.	713.6	707.2	708.2	711.6	712.4
28.....	717.9	715.	717.9	705.	713.	698.2	694.1	692.3	688.	688 3	683.1	683.6
30.....	748.1	749.	748.9	749.2	751.	751.7	733.1	776.9	790.8	808.4	820.3	854.4
Means.....	871.8	863.2	857.2	849.4	842.6	835.8	828.6	823.6	819.5	820.1	823.	829.
Reduced to 32° F.	341.3	340.8	340.2	337.7	341.8	341.7	339.9	339.	337.5	337.4	319.5	312.

* One minute spent. † Five minutes late.

Time.. / ,, time.	A. m. 18 04 18 33½	A. m. 19 04 18 23½	A. m. 20 04 14 33½	A. m. 21 04 15 33½	A. m. 22 04 16 33½	A. m. 23 04 17 33½	A. m. 0 04 18 33½	A. m. 1 04 19 33½	A. m. 2 04 20 33½	A. m. 3 04 21 33½	A. m. 4 04 22 33½	A. m. 5 04 23 33½	A. m. 6 04 24 33½	Means	Monthly means
Sept. 2	886.9	900.9	904.6	944.4	950 6	950 9	956 6	957 8	956 9	956 9	954 6	949 9	946 9	940 1	934 9
3	916.8	908.	980.	958 6	955 9	949 9	946	946 1	951	954 6	952 6	947 6	944 1	941 1	944 4
4	862.7	854.	N70 6	950 6	950 6	949 6	944	941 6	947 6	952 6	949 6	947 6	946 1	941 1	944 1
5	886.	N31.8	N10.6	N76 1	N87	N86 6	N76 9	N76 9	N70 8	N80 6	N86 1	N84 1	N80 1	N84 1	N84
6	802.4	N12 8	N06.6	N87 7	N80 6	N84 4	N80 8	N80	N86 9	N81 1	N84 9	N86 1	N86 1	N86 8	N81 1
7	N02.4	N15 7	N20 N	N70	N86 6	N79 7	N76 1	N76 8	N77 9	N76 1	N81	N86	N86	N84	N81 4
9	N54.5	N80.9	N84.4	944 9	947 9	946 1	940 9	944	940	941 9	944 1	946	947 9	N84 9	N84 4
10	898.4	918.4	934 6	951 1	950 9	950 6	944 1	944 9	944 9	946 9	946	947	947 9	N81 1	N84 4
11	N74.6	N89.2	919	930 9	950 9	944 1	941 7	944	946 1	946 1	946 1	946 1	946	N81	N84 4
12	N67.7	N76.	N76 6	N76 9	N79 9	N79 9	N80 7	N87 7	N84	N84 7	N84 7	N84 7	N84	N84	N84 4
13	N32.9	N45 8	N61 1	910.9	904 7	911 1	916 4	916	916	916	916	916	N84	N84	N84 4
14	N43.1	N60 N	N89.	N94 7	919 9	924 6	911 9	911 9	911	911 7	*940 6	*944	N84	N84	N84 4
16	N99.N	917 4	N93.1	967 4	979 7	970 9	964 6	964 9	964 9	971 4	964 6	964 9	964	N84	N84 4
17	919.4	934 7	970 4	960 9	977 8	964 8	964 8	964 9	964	971 6	971 6	964 9	964 1	N84	N84 4
18	N89.4	904 3	953.6	940 7	960 N	978	964 9	964 1	964 6	971 6	971 6	964 6	964 6	N84	N84 4
19	N78.3	N86.	N87 N	913 6	917 7	924 7	917 9	924	924 6	924 6	*944 4	*964 7	964 1	N84	N84 4
20	N60.9	N77.6	N89	940 6	944 8	950 9	947	947 9	946 9	944 4	944 6	944	944 9	N84	N84 1
21	924.3	937.6	954.1	967 9	973 9	964 9	967 6	964 6	964 7	964 9	964	964	964 9	N84	N84 4
23	736.3	732.6	748 1	760 9	764 9	778 9	768 7	768 1	768	768	778 6	778 9	778 9	781 9	N80 7
24	766.6	780.1	790.9	N01 9	N14 6	N10 1	N09 6	N09 9	N08 1	N08	N08 1	N08 9	N08	N81	N81 9
25	N05.5	N10.1	N11.9	N24 9	N29 9	N11 9	N14	N14	N14	N14	N14	N14	N14	N14	N81 9
26	782.4	780.1	707.6	780.7	782 9	784 9	784 9	780 9	778 9	778 9	778 9	778 7	778.9	781.9	N80 1
27	717.	733.	730.	730.4	740.	738.9	738 1	718.6	718 6	718 6	780.	784.	784.1	780.	N89 9
28	691.6	733.7	783.1	N31.9	N14.1	N40 6	N40 6	N40 9	N84	N84	N84 9	N89.1	780.	784	882 1
30	884.5	902 6	911.8	907.6	N94.1	N84. 6	N80 6	N68.9	884.1	N80 9	N84 9	N79 8	N84.9	780 8	884
Means	839.4	N51.N	N00.1	889.1	N91.4	N97.8	909.6	900 8	897.1	899.9	899	898.8	880.7		910 8
Reduced to 32° F.	304.8	298.8	983.7	901.8	905.6	907.4	910.8	903 8	897 4	899.6	901 8	899.8			894.9

Göttingen time... Observatory time.	h. m. 6 04 0 23½	h. m. 7 04 1 23½	h. m. 8 04 2 23½	h. m. 9 04 3 23½	h. m. 10 04 4 23½	h. m. 11 04 5 23½	h. m. 12 04 6 23½	h. m. 13 04 7 23½	h. m. 14 04 8 23½	h. m. 15 04 9 23½	h. m. 16 04 10 23½	h. m. 17 04 11 23½
Sept. 2.....	74.6	74.2	73.9	73.3	72.8	72.1	71.7	71.6	71.7	71.8	73.	74.
3.....	76.5	76.1	75.7	75.2	74.8	74.2	74.	73.8	74.1	74.3	74.3	75.
4.....	73.	72.4	71.7	71.	70.	69.3	68.4	68.3	68.5	69.	69.8	70.5
5.....	73.3	72.6	71.8	71.	70.1	69.4	68.8	68.3	68.3	68.3	68.3	69.
6.....	69.3	68.5	67.8	67.	66.2	65.4	64.9	64.7	65.	65.5	66.4	67.3
7.....	67.8	67.	66.2	65.6	64.9	64.1	63.5	63.4	64.	64.8	66.3	67.6
9.....	71.7	71.	70.7	70.4	70.	69.6	69.4	69.2	69.2	69.6	70.2	71.3
10.....	75.7	74.8	74.1	73.6	72.8	71.9	71.3	71.1	71.6	72.1	73.2	74.7
11.....	75.4	74.6	74.2	73.8	73.1	72.4	71.7	71.1	71.	71.3	72.	73.8
12.....	74.4	74.2	73.9	73.5	73.2	72.9	72.7	72.3	72.4	72.2	72.	72.2
13.....	69.6	69.2	68.9	68.5	68.	67.9	67.8	67.6	67.5	68.	68.7	69.8
14.....	72.1	71.8	71.2	70.3	69.9	69.2	68 5	67.5	67.9	68.6	69 8	70.8
16.....	75.8	75.1	74.6	74.	73.4	72.8	72.1	71.9	72.	72.4	72.8	75.4
17.....	76.6	75.8	75.	74.3	73.9	73.3	72.8	72.7	73.2	74.4	75.6	76.5
18.....	76.1	75.5	75.	74.3	73.7	73.	72.	71.7	71.8	72.2	72.8	74.2
19.....	78.2	77.	76.2	75.5	74.6	73.8	73.3	71.8	71.5	71.8	72.5	73.3
20.....	73.8	72.9	72.3	71.8	70.8	70.3	69.8	69.1	69.4	70.2	71.4	72.3
21.....	76.8	76.4	76.3	75.5	75.3	75.	74.3	74.2	74.7	75.3	76.4	77.8
23.....	64.1	63.9	63.2	62.2	61.4	60.7	60.	59 2	59.6	59.9	60.2	61.2
24.....	64.3	63.7	63.2	62.7	63.2	63.	61.7	61.3	62.	62.8	64.	65.2
25.....	67.7	67.6	67.6	67.2	67.	66.9	66.9	66.9	67.1	67.3	67.5	67.7
26.....	69.4	69.2	68.6	68.4	67.8	67.1	66.8	66.3	65.4	65.2	65.3	66.1
27.....	63.3	63.6	61.8	61.1	60.1	59.6	59.	58.6	59.	59.8	60.	60.8
28.....	60.2	59.8	59.4	59.2	58.8	58.5	58.1	57.9	57.8	57.7	57.6	57.7
30.....	62.6	63.8	63.2	62.2	63.8	64.8	66.	66.5	67.6	68.6	70.4	74.7
Means.....	71.3	70.7	70.3	69.9	69.1	68.7	68.2	67.9	68.1	68.5	69.3	70.3

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.	h. m. 13 58	h. m. 14 04	h. m. 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Sept. 2.....	548.6	548.7	548.	1163.3	1162.8	1162.	72.	862.3	862.2	862.1	71.7
3.....	558.5	557.9	556.9	1167.7	1168.	1169.	74.8	902.6	902.7	902 3	74.1
4.....	556.2	556.2	556.	1148.1	1150.7	1151.8	69.	829.7	829.6	829.6	68.5
5.....	554.	553.3	553.2	1154.8	1155.9	1156.8	68.8	827.6	827.6	827.3	68.3
6.....	549.	548.6	548.4	1147.9	1148.9	1149.5	65.	778.9	779.	779.2	65.
7.....	551.	555.	555.	1144.2	1147.	1151.	63.5	765.2	765.9	766.4	64.
9.....	554.8	554.7	553.7	1162 1	1163.2	1164.2	69.6	837.7	837.5	837.1	69.2
10.....	550.8	550.	549.5	1125.2	1125.7	1128.	71.8	862.1	862.	862.5	71.6
11.....	552.6	551.7	551.4	1128.5	1130.	1130 4	71.2	862.	861.4	861.	71.
12.....	553.	552.8	552.	1126.4	1127.6	1128.8	72.7	877.6	877.4	877.1	72.4
13.....	557.	556.6	556.	1136.2	1137.7	1139.	67.8	816.1	816.1	816.	67.5
14.....	557.3	556.3	557.1	1127.	1126.4	1128.	67.7	815.6	815.2	815.	67.9
16.....	556.6	557.4	556.2	1125.7	1127.	1128.8	72.	876.	875.1	875.	72.
17.....	552.2	552.2	551.7	1127.3	1131.2	1131.4	74.	880.1	880.9	881.1	73.2
18.....	555 9	556.	555.1	1127.5	1128.8	1129.7	71.9	869.6	869.	868.8	71.8
19.....	543.7	544.	544.9	1104.	1104.	1107.9	71.2	869.	868.8	867.5	71.5
20.....	546.	546.5	548.	1114.	1116.3	1117.2	69.8	833.7	834.3	833.7	69.4
21.....	544.1	547.	545.	1131.	1126.8	1124.2	75.2	890.6	890.2	889.7	74.7
23.....	540.8	539.4	538.8	1093.7	1092.5	1098.1	59.4	713.1	713.	713.3	59.6
24.....	538.6	538.1	536.9	.....	1113.	1116.5	62.5	735.5	735.6	736.	62.
25.....	540.	537.9	539.3	1112.8	1114.4	1114.2	67.5	800.	800.8	801.	67.1
26.....	540.	541.1	543.	1106.1	1108.7	1107.6	64.9	793.	797.3	796.4	65.4
27.....	550.1	549.5	548.8	1120.9	1120.2	1122.9	58.9	707.8	707.2	707.6	59.
28.....	545.1	541.	543.4	1104.	1103.5	1104.5	58.	688.4	688.	687.8	57.8
30.....	539.4	536.	538.	1150.7	1145.6	1149.6	66.6	788.4	790.8	792.3	67.6

Göttingen time / Observatory time	h. m. 18 00 12 19½	h. m. 19 00 13 19½	h. m. 20 00 14 19½	h. m. 21 00 15 19½	h. m. 22 00 16 19½	h. m. 23 00 17 19½	h. m. 0 00 18 19½	h. m. 1 00 19 19½	h. m. 2 00 20 19½	h. m. 3 00 21 19½	h. m. 4 00 22 19½	h. m. 5 00 23 19½	Means.
Oct. 1	522.2	532.2	522.5	533.1	546.	535.9	537.2	538.9	539.5	539.4	†539.3	539.7	532.9
2	531.7	518.1	526.	530.5	536.7	538.2	535.6	539.2	539.2	541.5	540.8	539.	538.6
3	539.9	538.3	540.5	544.5	545.8	545.4	544.6	544.	543.6	544.7	542.4	543.	543.1
4	533.	536.4	541.3	545.8	546.9	543.3	545.4	542.1	540.8	542.5	541.7	543.6	545.
5	544.4	543.	543.5	546 8	543.7	543.8	542.	544.8	556.	543.8	543.	541.8	546.7
7	547.9	550.1	550.2	553.2	552.9	551.3	549.6	550.5	551.8	563.6	547.9	543.2	551 8
8	554.7	550.3	554.1	556.2	555.3	554.2	551.5	548.9	544.3	544.4	544.8	545.	552.1
9	545 8	546.9	547.6	550.3	550.9	547.6	545.8	545.5	544.2	544.3	545.1	544.3	547.8
10	545.6	550.2	548.9	552.	547.9	549.4	549.1	547.4	543.6	543.6	544.5	545.4	547.6
11	543.3	542.5	545.2	549.3	553.1	552.	548.2	547.8	547.9	544.9	546.2	547.5	549.6
12	548.3	538.1	541.9	543.4	545.9	547.	547.1	546.	544.3	543.2	542 5	542.	549.2
14	537.4	537.	538.	537.5	540.1	538.5	538.3	539.7	545.4	539.7	544.1	543.5	542.1
15	532.4	534.3	536.6	542.	541.5	542.3	540.7	540.8	541.2	542.1	542.8	542.3	541.7
16	539.2	539.5	542.1	543.8	546.1	544.5	546.6	547.4	550.9	543.7	544.9	542.7	544.6
17	522.8	530.8	531 9	535.3	536.	534.9	540.	541.1	540.6	541.7	541.5	547.4	540.2
18	535.2	533.7	535.4	537.7	538.4	539.9	541.4	542.9	543.	542.7	543.5	543.8	542.1
19	541.	538.5	541.6	541.7	545.9	542.6	544.2	544.	543.4	546.3	547.8	551.8	545.7
21	543.3	543.1	544.	543.7	549.	551.3	544 9	542.7	544.9	547.7	545.1	545.5	544.9
22	539.6	540.	541.8	541.1	541.5	542.5	542.5	542.1	540.2	553.8	546.4	543.8	542.1
23	537.8	537.3	539.8	541.9	543.5	542.4	549.	549.1	549.2	545.	543.6	545.	542.4
24	534.9	538.1	541.	543.2	546.	544.2	543.9	543.8	546.3	544.4	545.8	541.8	542 1
25	541.	542.8	540.5	531.	540.5	543.2	549.1	556.1	544.	545.7	554.6	*571.6	546.3
26	536.1	537.6	535.	*537.1	*533.7	*561.5	*539.9	549.6	543.9	550.8	538.2	538.4	540.4
28	537.1	538.1	538.	536.5	537.	540.4	549.4	543.9	541.6	542.5	547.4	542.9	542.5
29	545.8	546.	545 3	550.2	547.6	551.8	550.2	549.9	550.7	564.3	555 6	553.9	548.9
30	546.5	545.5	552.1	554.7	554.7	551.4	551.7	553.5	551.2	551.9	550.9	551.7	551.7
31	559.1	553.7	552.1	551.2	553.5	552.1	554.1	553.	551.7	554.7	552.7	551.7	554.4
Means	540.6	540.1	541.4	543.4	545.2	545.6	545.3	545.7	545.3	546.4	545.3	545.6	545.1

* See disturbance observations. † Eight minutes late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time...	6 00	7 00	8 00	9 00	10 00	11 00	12 00	13 00	14 00	15 00	16 00	17 00
Observatory time..	0 19½	1 19½	2 19½	3 19½	4 19½	5 19½	6 19½	7 19½	8 19½	9 19½	10 19½	11 19½
Oct. 1	578.5	551.7	540.7	553.1	510.9	506.1	516.8	494.2	519.	528.8	532.1	531.
2	540.9	541.4	539.6	541.9	542.2	541.1	545.	547.8	548.	545.6	541.2	534.7
3	539.8	540.	540.1	540.3	544.9	545.3	556.	555.7	550.4	545.3	544.8	540.2
4	543.3	544.	545.2	548.5	550.6	549.6	550.7	554.3	554.2	554.8	543.3	539.6
5	544.	545.5	547.1	549.2	546.	550.1	550.6	551.9	553.2	553.1	551.3	542.3
7	549.2	547.9	550.6	551.	553.	554.3	558.1	558.5	551.6	552.1	554.4	550.9
8	550.1	550.8	551.5	557.	553.6	552.9	558.	558.1	555.	552.	554.9	554.
9	546.4	546.	546.9	550.1	547.5	547.8	552.6	551.4	555.5	552.1	547.6	546.1
10	545.7	545.4	547.3	547.6	549.3	551.	551.5	553.5	553.4	550.6	540.9	539.4
11	550.9	551.7	552.8	554.6	555.	555.3	555.	551.2	550.9	552.2	548.5	543.4
12	550.6	552.1	554.1	553.5	552.4	553.7	554.3	557.8	560.7	560.6	553.6	549.6
14	541.	541.2	542.6	541.8	541.5	542.	546.7	549.7	551.7	550.1	545.8	538.
15	542.2	543.5	543.1	538.4	541.8	543.1	546.	547.2	551.3	549.	543.1	537.9
16	542.6	543.	543.	543.5	543.8	544.2	546.7	547.2	550.7	549.1	545.1	541.2
17	541.5	541.9	541.5	541.9	543.2	†542.9	543.	546.4	549.7	532.8	545.5	539.5
18	546.	541.3	540.8	542.4	542.9	541.7	543.3	552.9	553.	549.1	541.9	536.9
19	545.6	544.2	543.	543.6	543.3	544.	545.7	550.	555.3	554.6	553.	545.
21	573.2	567.9	551.	554.5	551.7	526.5	520.2	528.6	537.5	542.3	535 6	542.9
22	543.1	540.1	540.3	536.9	542.1	541.1	544.2	544.6	545.8	543.	541.3	538.5
23	541.2	542.2	533.2	539.2	544.7	544.	546.3	547.3	543.6	542.7	536.9	539.9
24	542.2	535.7	541.9	546.4	544.	543.6	544.4	546.	543.9	540.1	538.2	535.8
25	543.3	545.2	531.4	541.3	555.3	552.9	553 6	550.6	548.8	543.	542.	540.
26	*541.8	534.7	545.7	537.2	540.2	*511.	*548.	*549.5	549.7	541.9	536.9	530.2
28	548.4	540.1	544.4	544.2	543.2	541.1	545.	546.5	547.4	544.5	543.2	537.3
29	541.9	543.7	538.1	544.9	543.5	541.7	553.1	553.4	550.5	554.1	553.	546.
30	550.5	552.	544.9	551.6	557.9	556.6	546.7	552.	556.4	555.6	553.	550.
31	550.5	553.1	553.	556.	554.2	556.	556.9	555.3	556.2	557.9	557.1	559.4
Means	547.2	545.4	544.3	546.1	545.9	543.7	547.3	546.2	549.3	548.	545.3	541.9

Göttingen time / Observatory time	h. m. 18 00 / 12 19½	h. m. 19 00 / 13 19½	h. m. 20 00 / 14 19½	h. m. 21 00 / 15 19½	h. m. 22 00 / 16 19½	h. m. 23 00 / 17 19½	h. m. 0 00 / 18 19½	h. m. 1 00 / 19 19½	h. m. 2 00 / 20 19½	h. m. 3 00 / 21 19½	h. m. 4 00 / 22 19½	h. m. 5 00 / 23 19½	Means.
Oct. 1	522.2	532.2	522.5	533.1	546.	535.9	537.2	538.9	539.5	539.4	†539.3	539.7	532.9
2	531.7	518.1	526.	530.5	536.7	538.2	535.6	539.2	539.2	541.5	540.8	539.	538.6
3	539.9	538.3	540.5	544.5	545.8	545.4	544.6	544.	543.6	544.7	542.4	543.	544.1
4	533.	536.4	541.3	545.8	546.9	542.3	545.4	542.1	540.8	542.5	541.7	543.6	545.
5	544.4	543.	543.5	546.8	543.7	543.8	542.	544.8	556.	543.8	543.	541.8	546.7
7	547.9	550.1	550.2	553.2	552.9	551.3	549.6	550.5	551.8	563.6	547.9	543.2	551 8
8	554.7	550.3	554.1	556.2	555.3	554.2	551.5	548.9	544.2	544.4	544.8	545.	552.1
9	545 8	546.9	547.6	550.3	550.9	547.6	545.8	545.5	544.2	544.3	545.1	544.3	547.8
10	545.6	550.2	548.9	552.	547.9	549.4	549.1	547.4	543.6	543.6	544.5	545.4	547.6
11	543.3	542.5	545.2	549.3	553.1	552.	548.2	547.8	547.9	544.9	546.2	547.5	549.6
12	548.3	538.1	541.9	543.4	545.9	547.	547.1	546.	544.3	543.2	542 5	542.	949.2
14	537.4	537.	538.	537.5	540.1	538.5	538.3	539.7	545.4	539.7	544.1	543.5	542.1
15	532.4	534.3	536.6	542.	541.5	542.3	540.7	540.8	541.2	542.1	542.8	542.3	541.7
16	539.2	539.5	542.1	543.8	546.1	544.5	546.6	547.4	550.9	543.7	544.9	542.7	544.6
17	532.8	530.8	531 9	535.3	536.	534.9	540.	541.1	540.6	541.7	541.5	547.4	540.2
18	535.2	533.7	535.4	537.7	538.4	539.9	541.4	542.9	543.	542.7	543.5	543.8	542.1
19	541.	538.5	541.6	541.7	545.9	542.6	544.2	544.	543.4	546.3	547.8	551.8	545.7
21	543.3	543.1	544.	543.7	549.	551.3	544 9	542.7	544.9	547.7	545.1	545.5	544.9
22	539.6	540.	541.8	541.1	541.5	542.5	542.5	542.1	540.2	553.8	546.4	543.8	542.1
23	537.8	537.3	539.8	541.9	543.5	542.4	549.	549.1	549.2	545.	543.6	545.	542.4
24	534.9	538.1	541.	543.2	546.	544.2	543.9	543.8	546.3	544.4	545.8	541.8	542 1
25	541.	542.8	540.5	531.	540.5	543.2	549.1	556.1	544.	545.7	554.6	*571.6	546.3
26	536.1	537.6	535.	*537.1	*533.7	*561.5	*539.9	549.6	543.9	550.8	538.2	538.4	540.4
28	537.1	538.1	538.	536.5	537.	540.4	549.4	543.9	541.6	542.5	547.4	542.9	542.5
29	545.8	546.	545 3	550.2	547.6	551.8	550.2	549.9	550.7	564.3	555 6	553.9	548.9
30	546.5	545.5	552.1	554.7	554.7	551.4	551.7	553.5	551.2	551.9	550.9	551.7	551.7
31	559.1	553.7	552.1	551.2	553.5	552.1	554.1	553.	551.7	554.7	552.7	551.7	554.4
Means	540.6	540.1	541.4	543.4	545.2	545.6	545.3	545.7	545.3	546.4	545.3	545.6	545.1

* See disturbance observations.

† Eight minutes late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time...	6 02	7 02	8 02	9 02	10 02	11 02	12 02	13 02	14 02	15 02	16 02	17 02
Observatory time..	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
Oct. 1.....	1183.7	1114.5	1137.	1127.8	1113.	1157.7	1150.6	1158.5	1139.7	1149.8	1169.	1170.3
2.....	1112.7	1121.4	1121.6	1117.2	1124.4	1117.6	1115.4	1128.1	1132.5	1137.	1151.9	1155.1
3.....	1131.7	1129.1	1129.9	1130.7	1131.3	1128.4	1135.3	1139.4	1149.3	1153.6	1154.	1154.8
4.....	1133.5	1136.8	1138.5	1140.	1136.2	1137.	1138.3	1140.4	1146.2	1155.2	1158.	1150.3
5.....	1136.	1127.5	1123.8	1131.4	1129.7	1125.4	1126.	1130.6	1135.	1137.5	1132.7	1123.1
7.....	1126.7	1126.7	1125.5	1120.3	1113.2	1118.1	1117.	1120.8	1129.3	1126.3	1124.2	1125.1
8.....	1120.4	1122.2	1116.4	1111.9	1117.5	1121.2	1117.6	1124.1	1134.5	1130.7	1121.6	1120.
9.....	1125.1	1122.8	1118.3	1116.5	1120.2	1120.9	1121.2	1125.	1131.4	1142.1	1141.1	1141.6
10.....	1136.4	1131.1	1127.9	1126.	1120.8	1123.5	1125.9	1131.	1140.5	1145.2	1148.5	1134.3
11.....	1130.8	1133.2	1132.1	1135.1	1133.	1132.	1136.7	1149.2	1159.5	1160.9	1153.1	1146.9
12.....	1122.	1120.8	1121.5	1124.5	1124.5	1124.8	1126.4	1131.6	1141.4	1157.3	1160.5	1150.9
14.....	1126.6	1136.4	1124.2	1123.2	1123.4	1122.	1119.9	1133.	1145.5	1160.	1170.9	1160.7
15.....	1159.9	1155.1	1155.5	1146.1	1142.5	1142.1	1143.4	1154.9	1166.5	1177.9	1176.5	1172.4
16.....	1136.3	1131.7	1129.	1125.6	1126.4	1127.8	1131.3	1143.5	1152.4	1163.9	1171.6	1170.1
17.....	1137.	1132.6	1127.7	1128.2	1123.6	1126.9	1133.1	1133.5	1140.4	1155.7	1165.9	1173.
18.....	1155.	1158.7	1153.7	1151.7	1151.9	1153.9	1156.8	1169.5	1173.8	1178.4	1190.1	1182.7
19.....	1149.2	1150.9	1149.9	1147.4	1147.3	1142.9	1141.1	1138.4	1129.5	1135.3	1123.2	1118.2
21.....	1125.6	1128.6	1132.5	1129.6	1116.3	1096.3	1154.6	1127.5	1149.	1159.3	1134.7	1127.4
22.....	1138.5	1135.4	1137.6	1134.4	1132.5	1134.7	1132.	1133.7	1137.4	1149.	1162.3	1152.1
23.....	1146.8	1146.2	1150.2	1128.8	1124.3	1127.1	1125.	1138.4	1140.4	1163.7	1154.8	1140.1
24.....	1145.6	1148.3	1142.	1138.2	1140.8	1143.4	1144.6	1156.4	1164.4	1166.8	1163.7	1163.7
25.....	1148.5	1136.5	1144.9	1140.7	1128.1	1131.2	1124.3	1147.1	1155.9	1162.2	1162.9	1168.3
26.....	*1180.4	1160.7	1163.	1142.9	1172.3	*1202.5	*1149.9	*1148.5	1172.5	1179.8	1195.	1189.2
28.....	1150.	1133.7	1143.1	1137.9	1127.1	1134.	1137.5	1147.2	1152.7	1156.3	1162.1	1161.1
29.....	1148.6	1152.9	1141.1	1152.5	1145.8	1144.	1138.9	1144.5	1146.7	1157.8	1161.2	1162.7
30.....	1120.4	1114.6	1112.1	1117.5	1104.2	1110.	1118.5	1104.1	1111.9	1120.7	1121.9	1125.
31.....	1104.6	1100.5	1100.7	1100.	1099.1	1100.5	1101.5	1102.9	1104.6	1100.7	1104.3	1108.1
Means.....	1138.2	1133.7	1133.3	1132.1	1128.5	1131.3	1132.	1137.	1143.9	1151.3	1153.5	1149.9

Göttingen time.. Observatory time.	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.	Reduced to 32° F.
Oct. 1	1160.6	1143.2	1147.2	1140 3	1146.6	1155.	1135.7	1135 8	1129.	1125.9	†1128.2	1127.9	1143.5	1068.8
2	1161.7	1178.3	1157.	1135.	1131.	1138.2	1146.1	1143.6	1145.4	1145.	1145.4	1135.9	1137 2	1066.
3	1152.3	1148.2	1141.5	1134.4	1142.7	1145.	1148.5	1146.1	1147.	1142.7	1143.	1139.	1141.6	1066.7
4	1148.4	1140.7	1134.	1129.5	1136.	1137.9	1143.8	1139.7	1139.1	1136 4	1135.9	1136.5	1140.3	1063.7
5	1128.6	1128.7	1126.9	1135.	1136.5	1142.9	1137.5	1132.8	1131.2	1127.6	1137.9	1133.4	1131.6	1056.6
7	1123.9	1113.4	1112.1	1112.6	1113.2	1124.1	1129.5	1128.	1128.5	1113.6	1133.4	1114.	1121.6	1055.7
8	1122.5	1130.2	1124.8	1125.	1121.9	1121.9	1124.3	1125.8	1131.6	1116.1	1126.9	1128 4	1123.2	1056.9
9	1140.3	1138.7	1136.8	1133 8	1136 4	1138.5	1139.9	1137.5	1138.3	1137.6	1137.1	1134.8	1132.3	1059.7
10	1129.2	1123.4	1137.4	1137.9	1146.8	1151.2	1154.4	1152.8	1155.8	1153.2	1148.2	1135.6	1138.2	1061.3
11	1150.7	1148.6	1144.6	1129.2	1129.7	1134.	1137.1	1139.3	1139.	1136.	1133.8	1125.4	1139.6	1064.4
12	1150.8	1143.5	1129.7	1128.5	1131.3	1134.1	1137.	1135.2	1130.6	1133.1	1134.4	1133.2	1134 5	1064.2
14	1150.2	1145.2	1141.9	1135.9	1135.7	1145.1	1152.	1155.	1150.8	1160.3	1164.6	1159.4	1143.4	1073.9
15	1167.8	1159 5	1151.2	1144.3	1141.8	1144.1	1147.4	1150.5	1157.1	1142 9	1141.9	1139.	1153.3	1078.4
16	1163.6	1152.4	1144.4	1136.7	1135.7	1140.9	1136.1	1134.	1138.4	1142.5	1143.5	1142.6	1142.5	1073.5
17	1181.3	1177.5	1169.4	1159.9	1159.	1158.	1153 9	1155 4	1157.8	1154.7	1156.9	1149.6	1150.5	1081.2
18	1179.8	1170.3	1156.9	1152.6	1153.1	1149.9	1149.7	1150.	1150.	1150.3	1147.7	1153.4	1160.	1078.3
19	1123.3	1112.7	1102.2	1109.2	1101.3	1114.1	1101.3	1103.6	1105 6	1103.7	1086.2	1095.1	1122.2	1046.6
21	1129.4	1135.3	1130.7	1147.4	1152.3	1156.3	1148.1	1135.7	1132.2	1113.4	1141.	1140.	1134.9	1077.
22	1146.4	1140.6	1144.3	1147.8	1146.8	1137.5	1137.7	1136.9	1146.6	1157.5	1144 8	1150.8	1142.4	1074.4
23	1161.	1160.	1154.1	1145.6	1155.6	1160.3	1163.2	1156.9	1160.4	1168 8	1159.7	1153.	1149.4	1084.4
24	1164.2	1158.8	1153.8	1153.2	1155.2	1161.5	1166.1	1175.3	1177.2	1162.2	1155.	1146.3	1156.1	1085.4
25	1166.7	1162.1	1169.3	1211.7	1176.4	1177.4	1206.1	1196.6	1181.1	1187.6	1189.5	*1160.1	1164.1	1090.8
26	1188.9	1166.7	1164.1	*1200.4	*1198.2	*1190.8	*1189.7	1186.7	1197.2	1186 2	1162.7	1170.7	1177.5	1100.4
28	1159.9	1156.5	1163.7	1164.5	1166.9	1172.2	1148.8	1159.1	1156.5	1156.5	1162.	1152.6	1152.6	1095.3
29	1160.7	1157.2	1161.3	1155.4	1142.2	1131.6	1136 5	1128.1	1131.4	1115.3	1108.6	1111.8	1143 2	1079.7
30	1121.4	1118 4	1106.9	1105.8	1109.3	1115.7	1112.8	1116.2	1116.4	1118.5	1115.9	1104.8	1116.	1063.9
31	1103.5	1126.1	1111.5	1121.8	1110.7	1107.5	1103.7	1109.5	1113.5	1106.4	1111.9	1112.9	1106.9	1055.2
Means	1149.5	1145.8	1141.4	1142.1	1141.2	1143.9	1144.	1143.2	1144.	1140.5	1140.6	1136.5	1140.7	
Reduced to 32° F.	1077.1	1071.5	1066.2	1066.3	1066.2	1069.8	1070.9	1071.8	1073.3	1070.8	1072.2	1069.4		1070.8

* See disturbance observations.

† Eight minutes late.

Göttingen time... Observatory time..	h. m. 6 02 0 21½	h. m. 7 02 1 21½	h. m. 8 02 2 21½	h. m. 9 02 3 21½	h. m. 10 02 4 21½	h. m. 11 02 5 21½	h. m. 12 02 6 21½	h. m. 13 02 7 21½	h. m. 14 02 8 21½	h. m. 15 02 9 21½	h. m. 16 02 10 21½	h. m. 17 02 11 21½
Oct. 1.....	69.6	69.	68.6	68.5	69.	69.	69.6	69.7	70.4	71.3	72.6	74 3
2.....	67.8	68.1	67.9	67.7	67.9	67.	67.3	68.	68.1	68.6	71 2	73.5
3.....	68.4	68.7	69.5	69.6	69.4	69.1	68.4	68.3	68.8	69.6	69.3	71.8
4.....	70.3	71.	72.	72.7	73.2	73 3	72.9	72.3	72.2	73.5	72.4	71.8
5.....	69.3	69.	70.2	71.1	70.6	69.9	70 8	70.9	71.9	72.	71.3	72.1
7.....	65.8	65.5	65.2	65 9	65.4	65 9	66.8	67.6	67.5	66.8	67.2	68.2
8.....	64.9	64.4	64.4	64.8	65.4	65.	63.5	63.8	64.2	64.2	64 6	66.
9.....	66.4	66.	65.5	65.6	65 9	65.5	65.9	65 7	67.	68.8	69.4	71.5
10.....	69.1	69.2	69.4	69.4	69.1	69.4	69.1	68.8	70.1	71.5	71.3	72 4
11.....	70.8	73.	74.	73.8	74.9	74.1	73.9	73.	72 8	72.3	71.2	71.8
12.....	66.7	67.6	68.3	68.	67.	66.2	65.6	65.1	65.8	66.3	66.1	66.
14.....	64.3	64.4	64.5	64.4	64.6	64.4	65.2	66.3	67 1	68.6	67.4	67.5
15.....	70.4	70.4	70.3	70.5	70.9	71.2	71.8	71.7	72.2	72.5	72.2	72.0
16.....	66.7	66.4	66.5	66.7	66.8	66.9	67.	67.2	67.1	67.2	67.5	67.5
17.....	64.9	64.4	64.3	64.3	64.5	65.2	65.	64.2	65.	65.4	65.9	66 2
18.....	72.	73.1	73.3	73.5	73.8	74.	74.5	73.9	73 2	73.8	73.	72.8
19.....	76.2	76 1	76.2	76.2	76.3	76.3	76.2	74.3	73.9	73 8	72.	72.3
21.....	58.6	58.8	58.7	58 5	58.	59.3	59.9	60.3	61.2	61.2	61.6	63.6
22.....	63.3	63.9	64.1	64.2	64.5	64.	65.4	65.3	66.9	66.9	69.3	69.3
23.....	67.4	66.8	66.4	66.4	66.2	66.1	66.4	65.3	66.7	68.2	67.	67.8
24.....	67.4	67.4	67.	67.7	68.1	68.3	68.4	67.9	68.	69.3	69.6	70.8
25.....	65.6	65.7	66.4	67.	67 9	68.8	69.1	69.1	69.3	69.4	70.	71.5
26.....	70.5	70.7	70.8	70.9	71.2	71.3	71.	71.	69.9	70.4	70.6	72.
28.....	67.3	67.2	67.8	66.9	68.1	68.3	68.	68.	67.5	67.	66.4	66.3
29.....	67.	67.8	68.2	68.5	68 5	68.	66.9	67.1	67.2	67.	68.	69.8
30.....	57.8	58.5	60.	60.4	60.2	59.7	59.8	58.3	59.1	59.6	60.2	60.
31.....	56.3	57.	57.8	58.1	58.2	57.8	57.3	57.2	57.	57.5	58.7	57.5
Means.....	66.8	67.	67.2	67.4	67.6	67.5	67.6	67.4	67.8	68.2	68.4	69.2

Göttingen time Observatory time	h. m. 18 02 12 21½	h. m. 19 02 13 21½	h. m. 20 02 14 21½	h. m. 21 02 15 21½	h. m. 22 02 16 21½	h. m. 23 02 17 21½	h. m. 0 02 18 21½	h. m. 1 02 19 21½	h. m. 2 02 20 21½	h. m. 3 02 21 21½	h. m. 4 02 22 21½	h. m. 5 02 23 21½	Means.
Oct. 1	73.	73.8	74.1	72.2	72.7	72.8	71.9	72.	72.3	72.3	72.	71.4	71.3
2	73.2	74.4	75.3	76.	75.2	75 4	75.	73.5	73.7	73.3	73.	71.1	69 5
3	73.3	75.4	76.	75.4	75.7	75 7	75.	73.6	72.1	71.9	69.5	69.9	71.4
4	71.8	73.4	72.7	73.5	73.9	74.6	74.3	71 9	71.	70.8	70.3	69.6	72.3
5	73.2	74.5	74 1	73.5	72 7	72.5	72.	71.5	71.1	71.	70.7	69.8	71.5
7	68.8	67.5	67.5	67.2	66.7	67.1	66.4	66.6	67.	67.2	66.6	65.7	66.7
8	68.3	71.	71.2	70.6	70.4	71.2	70.	69.5	67.4	67.6	67.3	67.	66.9
9	73.7	75.3	75.8	76.3	75.9	76.	74.5	73.1	72.	70.2	70.5	70.1	70.2
10	74.	76.	77.8	78.4	79.2	78.3	77.	75.4	74.3	73.8	69.8	69.	72.5
11	73.3	73.	72.1	72.	72.	71.5	70.9	69.7	68.6	67.8	66.5	66.	71.6
12	68.2	69.3	71.8	74.	74.4	73.6	71.1	69.	68.2	68.5	67.7	66.8	69.
14	69.2	71.	72.	71.3	71.6	72.5	73.9	73.4	72.	71.5	70.9	70.6	68.6
15	73.5	72.8	73.2	72.2	72.6	72.7	71.4	71.2	70.4	69.6	68.8	67.8	71.4
16	67.8	69.7	71.2	73.3	73.1	72.5	70.5	68.9	67.9	67.6	66.7	65.7	68 3
17	71.2	72.3	73.1	73.3	73.	72.1	71.9	71.4	71.4	71.3	71.2	71.1	68 5
18	72.3	72.7	75.1	77.8	78.7	78.7	78.2	77.7	77.	77.	76.8	76 5	75.
19	72.	71.7	71.4	71.8	70.1	69.4	69.	68.	67.4	65.9	64.3	63.5	71.8
21	66.2	66.5	66.8	66 9	66.	65.6	65.	64.1	64.	63.6	63.5	63 3	63.5
22	69 5	70.	71.2	73.	71.1	70.5	70.1	69.8	69.7	69.3	68.8	68.	67.8
23	68.2	71.5	70.3	68.1	69.7	71.	70.1	69.	68 3	67.4	66.8	66.7	67.
24	71.3	72.	73.8	73.3	70.3	70.6	70.3	69.7	69.1	68.7	66.5	66.2	69.2
25	72.9	75.1	75.	75.2	75.2	74.6	72.8	72.	72 3	72.2	70.8	69.9	70.6
26	73.2	75.	76.5	76.5	75 3	75.3	75.	74.4	73.8	73.3	72.9	72.1	73.6
28	66.9	67.7	69.	69.	67.6	67.2	66.9	66.7	67.	67.2	67.2	66.8	67.4
29	68.2	67.2	66.5	65.7	64.4	63.1	62.	61.4	60.8	60.	59.	57 9	65.4
30	61.7	58.8	59.1	60.8	61.6	60.8	59.3	58.9	59.2	58.1	57.4	56.2	59.4
31	59.1	62.5	62.2	61.5	60.3	59.9	59.6	60.	59.6	59.6	59.9	59.3	59.2
Means	70.1	71.1	71.6	71.9	71.5	71.	70.5	69.6	69.2	68.7	68.	67.3	68.8

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] time	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] ervatory time	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Oct. 1	886.3	880.0	880.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	*847	839.4	800.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	861	849	863	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	840.1	846.5	807.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	848	847.5	850.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	795	780.1	783.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	791.7	780.0	778.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	795.7	793.0	787.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	819.2	814	811.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	821.2	840.5	800.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	793.2	800.0	824	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	767.4	765.5	760.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	843.8	840	838.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	806.1	798.8	777.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	773.0	761.8	761.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	844.0	850.1	861.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	911.5	906.	903.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	784.9	760.1	740.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	765.0	765.4	765.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	810.7	805.1	800.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	799.9	808.8	810.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	781.3	781.9	791	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	833.1	830.8	850.7	865	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	787.3	800.5	806	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	799.1	806.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	795.2	794.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	800.1	801.1	791.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Means	807.4	806.3	806.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Reduced to 32° F.	314.7	309.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Göttingen time..	h. m. 18 04	h. m. 19 04	h. m. 20 04	h. m. 21 04	h. m. 22 04	h. m. 23 01	h. m. 0 04	h. m. 1 04	h. m. 2 01	h. m. 3 04	h. m. 4 04	h. m. 5 04	Means.	Reduced to 32° F.
Observatory time.	12 23½	13 23½	14 23½	15 23½	16 23½	17 23½	18 23½	19 23½	20 23½	21 23½	22 23½	23 23½		
Oct. 1.....	891.8	882.8	899.5	897.5	883.5	882.	880.	872.8	871.8	873 1	†872.9	872 2	885.	324 8
2.....	908.6	908.3	915.3	930.8	938.7	935.	930.3	918. *	907.8	903.1	898.6	892.9	876.7	313.8
3.....	880.1	898.5	915.3	922 7	919.1	917.8	911.	900.6	883.2	867.1	854.9	840 9	869 8	312.3
4.....	890.2	885.7	884.9	895.9	900.	901.9	904.9	893.7	875 7	861.5	856.2	852.1	882.4	312.7
5.....	915.1	935.	943.3	938.9	921.3	907.9	897.3	885.2	878.8	870.6	866.1	859.1	888.3	317.3
7.....	852.2	818 3	839.8	833.3	824.5	817.3	807.	798.7	796.1	800.9	799.6	800.2	810.1	303.9
8.....	823 2	858.8	873.8	871.7	863 1	857.3	852.9	842.	825.2	810.	805.	802.	812.1	304.6
9.....	875.6	900.2	914.1	923.9	945.	935.6	910.8	878.1	856.1	840 7	830.	824.9	842.1	295.4
10.....	876.	905.9	934.4	955.	976.1	967.2	947.	921.4	897.4	865 2	834.7	814.9	868.2	290.4
11.....	875 2	879.9	877.7	866.3	876.3	872.5	862.5	846.7	827.2	808.8	795.4	789.5	860.	293.
12.....	800.7	826 4	859 3	896.4	910.5	908.6	884.9	846.2	820.6	813.	807.1	800.7	825.4	294.9
14.....	834.6	857.8	873.	872.7	870.8	873.	875.1	871.	866.6	858 6	850.9	845.5	824.5	303.4
15.....	903.	905.9	903.4	893.8	881.8	880 5	867.2	856.9	849.	838.7	829.5	820.9	861.4	305.2
16.....	819.8	837.4	861.3	909.7	944.7	918.	884.7	851.1	824.5	806.7	796.5	783.8	828 6	304 8
17.....	636 3	861.	867.4	872.2	873.1	866.	858.1	849.8	844.1	840.4	837.8	838.1	812.7	295.7
18.....	861.2	862.5	877.1	910.1	939.9	919.4	949 9	944.	933.9	924.	919.4	914.9	890.4	296.6
19.....	898.9	893.2	889.9	883.8	881.1	859.9	849.	834.	821.	806.	788.7	775.6	876 6	313.7
21.....	797.9	809.1	811.2	810.7	801.5	797.7	787.5	776.5	767.9	764.2	761.7	759.6	770.8	324.
22.....	835.3	843.3	857.4	861.9	862.4	858.	852.1	845.2	839 1	831.	828.5	819.2	814.	303.7
23.....	830.1	853.4	845.6	869 8	885.8	873.8	860.	812.6	825.8	812.1	800.4	794.8	822.8	299.
24.....	852.8	860.3	867.3	875.6	869.8	847.8	840.	830.	821.2	815.8	802.8	791.9	831.	299.1
25.....	877.8	895.6	906.1	905.	903.3	892 7	876.2	859.1	849.8	847.1	848.1	*841.5	849.	299.5
26.....	876.2	894.	912.9	*917.	*913.3	*898.2	*889.1	884.	871.9	856.1	864.8	861.	869.6	295.9
28.....	806.2	816.9	830.7	833.4	826.4	813.3	804.8	797.5	795.7	795.2	796.6	798 5	811.8	306.6
29.....	840.2	832.8	821.7	808 8	795.2	727.	759.5	730.	739.5	730.7	721.	710.6	795.2	311.9
30.....	729.8	723.	721.5	740.1	760.7	758.8	715.	732.7	725.1	713.5	704.9	696.4	728 6	323.6
31.....	724 2	752.8	760.6	789.8	794.9	764.6	717.	740.4	734.	727.3	729.4	727.	728.7	317.
Means.....	848.8	860.3	869.1	877.3	880.2	871.4	860.5	846.9	835.2	829.7	818.6	812.2	834 7	
Reduced to 32° F.	289.9	283.9	286.	292.9	305.1	309.8	315 9	316.8	314.5	313.4	313.7	315.5		306.

* See disturbance observations.

† Eight minutes late.

THERMOMETER AT VIENNA AT [illegible]

...ge time..	6 a.m.	9 a.m.	3 p.m.	9 p.m.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
...story time..	8 30½	1 33½	8 30½	9 30½	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Oct. 1....	70 7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
2....	69 9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
3....	70 7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
4....	71 1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
5....	70 8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
7	67 4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
8....	66 7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
9	67 9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
10..	70 3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
11	73 5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
12.	69 6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
14.	65 7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
15.	71 0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
16.	67 8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
17.	66 3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
18.	73.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
19.	76 7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
21.	60 4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
23.	64.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
33.	68.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
24.	70.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
25.	67.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
26.	71 6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
28.	68.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
29.	69.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
30.	69.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
31.	68.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Means	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Göttingen time Observatory time	*h. m.* 18 04 12 23½	*h. m.* 19 04 13 23½	*h. m.* 20 04 14 23½	*h. m.* 21 04 15 23½	*h. m.* 22 04 16 23½	*h. m.* 23 04 17 23½	*h. m.* 0 04 18 23½	*h. m.* 1 04 19 23½	*h. m.* 2 04 20 23½	*h. m.* 3 04 21 23½	*h. m.* 4 04 22 23½	*h. m.* 5 04 23 23½	Means.
242 Oct. 1	74.8	77.2	77.8	75.1	75.5	74.8	73.4	73.5	73.7	73.7	73.3	72.5	73.5
2	76.7	77.7	78.7	78.2	78.2	77.9	77.	75.4	75.5	75.1	74.8	73.	73.7
3	76.1	78.1	78.4	77.3	77.2	76.8	75.8	74.5	72.9	72.7	70.8	70.8	73.3
4	74.6	75.2	76.1	76.2	76.3	76.5	75.8	73.3	72.2	72.	71.5	71.	74.2
5	78.4	80.2	79.4	75.	76.	75.4	74.3	73.5	73.	72.8	72.4	71.3	74.3
7	73.3	71.8	71.2	71.	70.2	70.	68.7	68.5	68.9	69.	68.2	67.2	69.5
8	72.5	76.3	75.5	74.2	73.6	73.6	72.	71.2	69.	69.1	68.9	68.4	69.6
9	78.	79.3	79.4	81.7	80.8	78.2	76.	73.7	73.	71.7	71.2	70.8	72.5
10	77.2	80.8	82.5	85.7	82.	80.3	78.6	76.8	75.3	73.	71.1	70.9	74.8
11	76.2	75.4	74.7	77.3	75.5	74.2	72.9	71.2	70.	69.3	68.2	68.2	74.
12	71.2	74.	77.3	80.6	78.4	76.3	73.3	71.	70.2	70.1	69.2	68.4	71.3
14	72.7	74.8	75.	73.8	74.4	75.	74.6	73.7	73.1	72.5	72.	71.4	70.6
15	77.6	76.7	76.2	75.1	75.1	74.3	73.6	72.4	71.8	70.8	70.	68.9	73.2
16	71.2	74.	77.2	77.6	78.1	75.8	73.3	71.1	69.9	69.2	68.2	67.	70.8
17	74.5	75.1	75.	75.	74.6	73.4	73.2	72.5	72.4	72.2	72.	72.2	70.3
18	73.2	74.	76.8	79.8	80.8	80.3	79.5	78.6	78.	77.9	77.5	77.	76.
19	76.2	75.4	75.2	74.	73.4	72.2	71.3	70.	69.2	67.6	66.	65.4	73.7
21	70.	69.9	69.8	69.4	68.2	67.5	66.6	65.8	65.3	64.9	65.	64.8	65.1
22	71.7	72.6	74.3	73.7	73.5	72.3	72.1	71.5	71.3	70.8	70.	69.1	69.8
23	72.6	75.8	74.1	76.8	76.5	74.3	72.4	71.	70.1	69.	68.3	68.3	70.8
24	73.7	74.5	75.2	76.2	72.7	72.3	71.6	70.6	70.3	69.9	68.	67.7	71.4
25	76.5	79.1	78.8	78.	77.5	76.3	74.2	73.1	73.2	73.	71.9	71.1	72.7
26	76.7	78.5	79.7	79.8	77.4	76.7	76.	75.1	74.6	74.1	73.7	73.	74.5
28	69.3	71.	72.	71.2	69.9	69.	68.4	68.3	68.6	68.7	68.6	68.3	69.5
29	71.1	73.2	69.3	67.3	66.8	65.3	64.	63.6	62.7	61.9	61.	60.3	67.8
30	61.4	61.	62.5	65.	65.8	63.9	62.	61.9	61.4	60.3	59.9	58.7	62.
31	63.5	67.3	67.3	70.	66.3	63.8	63.	63.	62.	62.4	62.7	61.6	62.5
Means	73.4	74.7	75.2	75.3	74.6	73.6	72.3	71.3	70.6	70.1	69.4	68.8	71.2

[redacted]

Göttingen time... Observatory time.	h. m. 6 00 0 19½	h. m. 7 00 1 19½	h. m. 8 00 2 19½	h. m. 9 00 3 19½	h. m. 10 00 4 19½	h. m. 11 00 5 19½	h. m. 12 00 6 19½	h. m. 13 00 7 19½	h. m. 14 00 8 19½	h. m. 15 00 9 19½	h. m. 16 00 10 19½	h. m. 17 00 11 19½
Nov. 1	553.4	547.5	550.6	552.4	552.3	553.	551.8	552.9	556 3	561.5	557.2	553.5
2	544.5	544.2	536.5	544 1	541.	544.5	546.9	549.7	545.7	544.7	543.2	539.8
4	548.1	545.7	537.9	512.6	542.6	543.4	545.8	550.7	546.8	548.	541.9	536.6
5	545.9	545.5	548.5	548.8	548.8	548.2	547.6	549.2	546.2	547.2	548.	546.4
6	547.9	547.6	548.2	549.2	551.	549.5	550.3	549.5	549.	548.	551.	546.8
7	549.2	549.4	549.	549.1	551.3	550.1	549.1	548.6	549.5	546.7	544.1	542.7
8	543.8	543.9	514.1	545.3	546 9	547.6	546.2	514.6	550.6	548.2	547.	549.3
9	546.2	545.8	547.5	549.3	549.2	549.5	554.4	550.9	554.5	552.3	545.6	541.5
11	544.9	546.4	546.6	545.1	543.9	549.3	539.1	547.	546.1	544.	544.2	538.
12	538.8	546.4	545.1	546.6	544.4	544.	545.9	545.6	546.8	546.8	538.3	537.9
13	533.1	542.9	541.4	542.2	540.	543.8	542.9	548 3	545.	548.	546.2	543.7
14	553.2	549.1	537.	551.1	550.7	550.2	549.	551.7	551.	550.1	546.8	545.
15	550.3	546.6	547.9	547.7	547.4	547.5	548 3	549.7	550.8	550.6	549.5	550.3
16	546.5	548.3	548.7	533.7	565 5	*550.6	*540.9	*533.5	546.2	540.2	*539.2	*534.9
18	545.3	536.8	540.9	544.3	544.1	534.	543.6	547.	548.5	551.3	550.2	544.6
19	540.9	541.1	552.4	553.5	547.2	546.5	536.8	547.	544.8	545.2	550.4	551.8
20	550.2	546.7	546.6	545.8	546.6	550.1	545.4	543.3	548.7	547.1	545.6	543.1
21	546.5	545.2	544.4	547.3	518.5	549.	549.1	546.7	550.3	548.1	546.1	541.
22	548.1	548.8	549.9	553.3	533.4	*546.4	*563.9	*556.6	552.3	548.5	543.2	*542.3
23	*515.3	*541.6	*542.7	533.7	528.3	540.6	538.1	543.	545.5	547.6	545.6	537.1
25	548.2	549.3	548.7	548.9	548.7	555.5	554.7	556.5	560.	558.	555.2	555.6
26	553.5	551.9	554.2	555.8	557.5	559.8	561.6	558.5	559.5	561.7	562.3	556.1
27	550.	549.1	555.	547.6	548.5	550.4	550.2	554.2	560.4	559.7	560.4	554.6
28	556.	552.5	557.5	556.	557.6	551.5	558.5	551.8	547.9	547.5	547.8	543.8
29	556.6	547.	549.8	555.	553.4	553.2	551.9	551.2	551.1	553.1	548.	548.9
30	547.7	547.	548.1	547.4	548.8	549.4	549.9	547.1	548.2	548.9	550.9	547.6
Means	546.3	546.4	547.4	547.5	547.6	548.4	549.9	549.	549.7	549.7	547.8	544.1

* See disturbance observations.

Göttingen time Observatory time	h. m. 18 00 12 19½	h. m. 19 00 13 19½	h. m. 20 00 14 19½	h. m. 21 00 15 19½	h. m. 22 00 16 19½	h. m. 23 00 17 19½	h. m. 0 00 18 19½	h. m. 1 00 19 19½	h. m. 2 00 20 19½	h. m. 3 00 21 19½	h. m. 4 00 22 19½	h. m. 5 00 23 19½	Means.
Nov. 1	551.5	547.7	551.7	544.8	540.8	543.9	545.9	544.8	544.8	557.3	543.2	545.4	549.8
2	537.	536.8	542.5	542.3	541.2	*556.1	*538.1	542.2	*557.7	*546.2	548.7	551.4	544.3
4	538.4	534.9	540.2	536.9	538.1	540.7	541.7	551.4	545.8	545.1	544.6	545.1	543.
5	543.4	541.4	547.2	549.6	546.2	545.7	548.2	546.4	544.9	550.	545.5	545.6	546.8
6	545.3	542.3	544.5	548.6	551.1	552 5	551.4	552.5	550.5	548.8	549.1	549.9	548.9
7	541.9	541.2	542.6	545 8	547.6	549.8	547.9	546.6	545.	543.9	543.5	548.2	546.6
8	547.6	548.4	548.4	554.2	553.	553.1	552.6	552.5	551.5	549.	548.9	547.1	548.1
9	541.2	541.3	543.7	545.8	545.4	544.5	544.9	546.8	556.	546.5	546.5	548.	546.9
11	529.5	530.3	531.5	535.7	533.6	534.1	540.3	545.8	543.2	546.6	545.9	546.	541.1
12	533.	535.7	532.9	540.1	542.2	541.7	541.3	543 8	542.	542.3	543.9	545.2	541.7
13	541.1	540.4	542.6	544.3	543.1	542.2	552.2	553.4	550.6	550.9	552.4	549.8	545.
14	543.1	541.8	544.5	547.2	546.8	548.	549.2	551.	548.5	551.3	548.7	549.4	548.1
15	550.	547.8	547.3	551.1	550.5	550.7	549.5	549.5	549.9	549.7	549.3	547.8	549.1
*16	530.7	529.9	527.3	533.6	540.	559.5	562.2	558.2	560.8	553.1	560.7	552.5	549.4
18	543.6	543.	544.5	547.2	555.5	546.4	552.7	550.8	552.7	556.4	563.3	559.8	547.8
19	550.3	547.8	551.1	549.6	553.1	553.6	553.	553.	551.5	550.	550.5	549.4	549.2
20	541.	539.	538.5	538.9	542.3	544.	545.2	544.6	543.1	545.5	546.	546.4	545.1
21	539.4	540.4	540.6	542.5	543.2	546.4	545.9	545.7	545.6	561.	549.6	552.4	546.4
*22	538.1	536.5	534.9	533.6	539.9	547.7	577.2	543.8	562.1	563.4	547.4	546.4	548.1
23	538.7	538.4	548.7	548.	544.9	550.4	549.9	552.3	551.	551.	552.7	551.5	549.
25	549.2	550.7	552.3	552.8	553.8	554.1	553.4	553.3	553.3	552.5	555.2	557.8	553.
26	552.	551.1	548.4	551.4	551.2	550.7	549.	547.5	549.8	548.5	547.5	548.6	552.
27	551.	549.7	551.1	552.4	552.1	554.2	553.	557.8	553.9	556.5	†560.	‡556.7	553.7
28	539.1	539.1	544.	543.8	544.9	545.9	546.8	545.7	545.8	563.2	549.1	548.1	549.
29	552.4	549.4	546.	545.5	546.8	550.1	550.9	548.9	552.3	549.3	549.4	547.5	550.3
30	543.4	541.8	541.7	541.9	544.	544.2	547.	546.	548.4	549.2	547.8	546.4	546.8
Means	542.8	541.8	543.	544.7	545.8	548.1	549.6	549.	549.6	551.1	549.6	548.9	547.4

Göttingen time... / Observatory time.	*h. m.* 6 02 0 21½	*h. m.* 7 02 1 21½	*h. m.* 8 02 2 21½	*h. m.* 9 02 3 21½	*h. m.* 10 02 4 21½	*h. m.* 11 02 5 21½	*h. m.* 12 02 6 21½	*h. m.* 13 02 7 21½	*h. m.* 14 02 8 21½	*h. m.* 15 02 9 21½	*h. m.* 16 02 10 21½	*h. m.* 17 02 11 21½
Nov. 1	1106.8	1109.	1107.6	1105.6	1106.4	1100.8	1101.	1105.3	1104.9	1104.4	1113.9	1114.4
2	1118.4	1116.8	1122.4	1119.9	1134.6	1119.9	1117.1	1123.6	1133.8	1125.	1123.1	1127.
4	1142.4	1156.6	1151.3	1146.4	1146.	1142.2	1142.7	1144.1	1156.4	1162.2	1173.5	1169.5
5	1135.3	1128.2	1125.2	1123.1	1119.	1119.1	1116.8	1117.2	1123.8	1127.1	1124.5	1130.8
6	1114.2	1108.5	1111.9	1110.8	1110.5	1113.	1117.7	1118.3	1125.6	1124.7	1117.2	1119.2
7	1113.	1115.8	1116.4	1115.8	1112.8	1114.5	1115.	1124.	1127.1	1135.9	1137.	1138.6
8	1123.6	1120.1	1116.1	1117.4	1112.8	1115.6	1119.5	1122.7	1133.2	1143.4	1141.6	1130.2
9	1118.9	1114.3	1112.8	1110.3	1111.2	1113.6	1112.9	1118.4	1121.2	1138.	1149.2	1144.8
11	1142.7	1141.2	1137.9	1140.6	1129.1	1123.	1132.	1125.9	1131.7	1126.4	1129.6	1151.8
12	1148.8	1149.	1147.8	1142.8	1143.5	1137.	1135.9	1138.5	1143.9	1147.3	1169.	1186.3
13	1175.	1163.7	1167.2	1167.	1162.9	1158.2	1152.	1153.	1163.8	1163.9	1168.7	1171.5
14	1124.9	1119.7	1114.1	1105.4	1109.5	1107.2	1107.7	1107.	1114.5	1116.3	1129.7	1131.3
15	1109.8	1109.3	1106.4	1105.7	1103.6	1101.2	1104.3	1106.	1113.6	1118.5	1126.8	1122.1
16	1110.6	1118.8	1121.5	1131.	1114.5	*1114.4	*1129.7	*1125.7	1117.6	1168.8	*1208.7	*1175.6
18	1158.3	1139.2	1148.8	1150.3	1150.	1156.7	1158.4	1145.5	1152.7	1156.1	1165.8	1170.2
19	1144.	1133.4	1120.4	1124.9	1124.	1114.6	1124.2	1107.4	1130.	1148.1	1153.4	1144.6
20	1124.8	1127.1	1126.8	1124.8	1125.3	1114.1	1125.7	1130.8	1133.3	1141.4	1147.7	1150.3
21	1139.5	1142.1	1134.4	1142.5	1135.3	1134.8	1134.2	1137.9	1134.8	1151.2	1151.1	1155.5
22	1145.5	1148.1	1143.	1153.8	1173.5	*1139.2	*1130.5	*1133.5	1150.1	1155.7	1164.4	*1176.3
23	*1169.1	*1182.6	*1183.1	1181.4	1171.3	1154.1	1174.	1161.1	1160.3	1175.2	1173.	1184.2
25	1105.1	1097.9	1102.	1096.6	1096.	1088.	1095.2	1093.5	1096.	1106.6	1115.1	1118.4
26	1110.4	1107.4	1104.2	1103.	1101.5	1100.4	1098.6	1106.9	1107.4	1110.8	1114.3	1123.5
27	1118.1	1119.9	1116.2	1132.1	1137.1	1133.7	1128.3	1122.2	1118.8	1127.4	1127.8	1136.
28	1146.9	1141.3	1128.	1124.1	1117.5	1131.9	1102.2	1120.9	1124.5	1114.2	1118.5	1139.8
29	1128.4	1147.	1140.4	1137.2	1133.4	1131.	1129.4	1135.	1145.4	1144.3	1160.9	1153.7
30	1144.	1138.5	1136.5	1136.5	1133.7	1132.1	1132.6	1138.3	1141.9	1154.8	1144.	1153.1
Means	1131.5	1130.5	1128.6	1128.8	1127.5	1123.5	1124.5	1125.5	1131.1	1138.	1143.9	1145.7
Reduced to 32° F.	1077.9	1076.9	1073.4	1074.2	1073.3	1068.9	1069.8	1070.9	1076.1	1082.7	1088.5	1089.7

* See disturbance observations.

Göttingen time..	h. m. 6 02	h. m. 7 02	h. m. 8 02	h. m. 9 02	h. m. 10 02	h. m. 11 02	h. m. 12 02	h. m. 13 02	h. m. 14 02	h. m. 15 02	h. m. 16 02	h. m. 17 02
Observatory time.	0 21½	1 21½	2 21½	3 21½	4 21½	5 21½	6 21½	7 21½	8 21½	9 21½	10 21½	11 21½
Nov. 1.....	57.6	57.8	57.3	57.	56.7	56.2	56.6	56.7	58.1	59.2	60.2	61.5
2.....	62.9	63.6	64.	64.2	63.7	63.2	63.6	62.6	61.4	60.8	61.6	62.3
4.....	67.3	67.8	67.8	67.7	67.9	67.7	68.	67.8	68.9	70.	70.3	69.4
5.....	63.8	63.2	63.2	62.7	62.2	61.4	61.2	61.	61.2	61.7	62.	62.
6.....	61.3	61.3	61.8	61.9	61.8	61.7	61.2	61.1	60.7	60.5	60.6	61.8
7.....	62.	61.6	61.4	61.	60.3	60.2	60.	59.9	60.1	61.4	62.1	62.7
8.....	62.	62.2	62.5	62.8	62.8	63.4	64.	63.1	64.	65.2	65.8	65.2
9.....	64.1	63.8	64.3	65.1	65 6	64.8	64.	63.1	64.2	65.	64.3	64.3
11.....	66.5	65.7	66.2	66.4	66.3	66.	66.3	66.	65.3	63.5	63.3	66.2
12.....	68.2	67.7	66.6	66.3	66.1	66.8	67.8	67.3	67.1	66.8	65.2	66.2
13.....	70.6	70.8	71.2	71.7	71.9	72.	72.	71.8	71.2	70.6	70.2	69.4
14.....	60.4	60.1	60.8	61.3	60.2	59.3	58.8	57.9	57.9	57.9	58.2	58.2
15.....	55.7	55.8	55.8	56.1	56.2	55.9	55.6	55.2	56.1	57.	58.	59.2
16.....	58.5	57.8	57.2	57.2	57.3	57.7	57.2	58.3	59.9	60.2	59.5	62.8
18.....	60.9	61.6	63.2	64.	64.8	65.2	66.3	67.	66.2	66.2	66.	64.6
19.....	56.3	55.7	55.5	55.	54.8	54.7	54.1	54.8	55.9	56.3	56.2	56.5
20.....	56.	56.5	56.5	56.7	56.8	56.7	57.6	58.1	58.2	58.2	58.2	58.4
21.....	62.5	62.3	62.9	63.1	63.3	63.4	64.	63.1	63.4	64.8	64.8	64.8
22.....	68.1	69.2	69.5	70.	69.7	69.3	69.2	68.3	68.1	68.5	68.5	68.3
23.....	67.5	67.	66.1	65.8	65.2	65.6	65.8	65.9	66.4	66.3	65.5	66.7
25.....	41.8	42.1	42.3	43.	43.	43.2	45.	46.7	48.	47.5	49.5	49.2
26.....	48.5	48.8	49.4	50.	50.5	51.3	52.5	53.5	53.3	53.8	54.7	55.1
27.....	53.8	55.3	57.1	59.5	59.1	58.8	58.2	57.4	58.9	59.	59.1	59.2
28.....	55.9	55.2	54.8	55.	55.8	56.	55.2	55.	54.6	54.	53.2	53.6
29.....	55.1	55.6	56.2	57.4	58.5	58.7	58.4	58.	57.3	56.4	56.2	56.5
30.....	58.9	58.4	58.4	58.	57.7	57.7	58.1	58.1	57.3	57.	57.	56.
Means.....	60.2	60.2	60.5	60.7	60.5	60.7	60.8	60.7	61.	61.1	61.2	61.7

Mean time ..... / Observatory time	A. m. 18 02 / 12 21½	A. m. 19 02 / 13 21½	A. m. 20 02 / 14 21½	A. m. 21 02 / 15 21½	A. m. 22 02 / 16 21½	A. m. 23 02 / 17 21½	A. m. 0 02 / 18 21½	A. m. 1 02 / 19 21½	A. m. 2 02 / 20 21½	A. m. 3 02 / 21 21½	A. m. 4 02 / 22 21½	A. m. 5 02 / 23 21½	Means
Nov. 1	62.	63.2	64.	65.5	65.5	64.8	63.5	63.4	63.0	63.1	63.3	63.0	63.6
2	63.7	65.5	67.3	68.	67.8	67.8	68.	67.4	66.8	66.1	66.3	66.4	66.8
4	68.9	68.7	69.6	71.1	70.1	69.1	67.8	66.	65.4	65.1	64.4	64.4	66.
5	63.5	64.1	63.	63.3	63.5	63.	62.9	62.8	62.	61.9	61.8	61.8	62.6
6	62.	60.	63.5	63.5	63.1	62.1	62.2	61.7	62.0	62.0	61.1	61.8	62.1
7	63.5	65.1	66.4	67.7	67.8	66.5	66.4	65.8	65.1	64.8	63.8	63.8	65.2
8	66.5	68.8	70.3	69.5	70.3	69.3	68.9	67.1	67.8	66.1	66.7	66.9	67.9
9	66.2	68.2	69.3	70.	69.3	70.	70.	69.8	69.8	68.8	68.8	68.	68.9
11	68.1	68.7	74.	72.2	71.3	71.2	71.8	71.	70.7	69.2	68.2	68.1	69.9
12	67.2	68.7	67.8	69.8	70.2	71.	70.8	70.4	70.4	70.2	70.2	70.6	70.2
13	68.6	67.8	67.2	65.8	66.1	66.	65.4	65.2	64.7	64.2	64.2	64.1	65.2
14	58.5	59.2	59.	60.	59.7	59.2	58.8	57.2	56.8	56.8	57.8	57.2	58.2
15	59.6	62.8	63.2	63.6	61.5	60.1	61.8	60.	59.8	59.2	59.2	59.4	60.7
16	63.4	64.	65.	65.2	65.5	65.1	64.8	64.2	63.8	63.7	61.7	61.2	63.9
18	63.	62.8	61.8	61.5	60.1	58.6	58.	57.1	56.8	56.4	56.2	56.2	58.1
19	56.7	57.8	58.4	59.8	59.4	58.5	58.	56.8	56.5	56.4	56.4	56.7	57.4
20	59.4	59.5	59.6	59.8	59.1	58.9	58.5	58.1	57.5	57.4	57.8	58.	58.6
21	64.6	65.2	65.7	65.8	65.6	65.5	64.8	64.2	64.2	64.	63.8	63.7	64.8
22	67.2	68.5	68.2	67.5	67.8	67.1	66.	67.1	66.	66.4	67.2	66.1	67.1
23	67.5	68.2	70.2	70.6	69.1	68.5	68.8	67.8	66.9	66.4	66.4	66.6	67.
25	49.2	48.9	48.5	48.8	48.2	47.9	47.1	46.8	46.4	47.2	47.7	47.2	47.8
26	54.1	53.5	53.	51.9	51.	50.5	50.4	50.	49.8	49.7	49.	50.2	50.4
27	58.5	57.4	56.8	56.5	56.	55.5	55.8	55.8	55.4	55.2	54.8	54.8	55.8
28	53.5	53.6	53.8	54.4	54.1	53.8	53.5	53.8	53.4	54.4	54.6	54.2	54.1
29	58.8	61.4	60.5	59.6	58.7	58.2	59.1	59.8	59.8	59.8	59.2	59.4	59.4
30	58.2	58.	57.8	57.8	57.4	57.8	57.7	57.2	57.6	58.1	58.1	58.1	57.8

Göttingen time...	h. m. 6 04	h. m. 7 04	h. m. 8 04	h. m. 9 04	h. m. 10 04	h. m. 11 04	h. m. 12 04	h. m. 13 04	h. m. 14 04	h. m. 15 04	h. m. 16 04	h. m. 17 04
Observatory time.	0 23½	1 23½	2 23½	3 23½	4 23½	5 23½	6 23½	7 23½	8 23½	9 23½	10 23½	11 23½
Nov. 1	716.1	710.1	703.9	701.1	701.1	697.	695.5	689 9	692.	705.8	718.2	737.4
2	754.3	757.9	760.8	764.9	763.6	762.4	762.3	760.	747.5	737.9	737.5	744.9
4	810.2	815.3	814.9	814.	812.8	811.	811.9	811.1	823.5	844.1	854.8	850.4
5	785.9	778.1	775.3	776.7	775.6	771.8	766.	762.2	757.3	759.7	766.6	782.4
6	713.4	741.7	744.9	747.3	748.4	751.9	751.1	749.5	741.	756.7	741.	751.9
7	753.2	749.9	747.9	746.4	741.1	735.5	730.2	727.	724.9	732.2	742.	750.5
8	745.8	740.9	744.1	749.2	752.7	761.1	767.3	765.	764.	774.4	784.4	787.1
9	783.9	777.5	778.8	789.8	799.3	801.6	795.3	785.2	784.1	793.9	798.9	787.3
11	805.	793.6	792.6	794.9	798.6	798.8	798.9	802.	799.2	793.	782.2	785.2
12	815.	813.3	803.	796.7	791.8	791.9	800.2	806.2	804.9	804.1	795.3	788.5
13	832.9	834.	835.2	842.5	848.6	855.1	859.5	866.1	862.	855.2	851.9	847.1
14	743.3	735.	740.	748.3	739.3	730.9	723.5	712.4	702.1	707.1	708.8	709.2
15	689.6	680.6	678.7	681.9	683.4	683.7	681.2	675.	671.6	680.2	689.8	702.4
16	706.9	699.8	695.7	712.	710.9	*710.9	*707.8	*717.	729.4	746.	*736.9	*746.8
18	718.8	724.	740.	755.	767.	775.8	787.4	798.9	799.7	804.8	806.8	797.2
19	701.9	697.	690.9	687.9	680.9	677.8	676.1	677.	683.	691.5	696.5	697.
20	671.	675.6	678.6	681.3	684.8	685.9	691.	696.	700.1	705.	704.6	707.1
21	753.3	754.9	760.1	766.2	768.1	770.6	776.	775.3	772.8	784.7	788.8	788.
22	804.	825.	834.	839.9	845.	*862.9	*848.8	*836.4	827.5	824.4	821.8	*823.9
23	*818.5	*801.6	*790.	785.9	783.2	778.3	783.3	784.3	789.9	795.6	782.5	784.9
25	557.	555.	558.	546.9	549.3	555.	573.7	598.1	618.8	639.7	645.6	645.4
26	620.	631.9	633.	645.2	654.	665.	680.8	692.2	690.8	694.9	703.6	707.3
27	683.8	660.	689.9	709.1	715.	713.7	708.7	702.5	707.4	715.	720.8	726.1
28	695.1	690.1	68 .7	678.	677.9	678.	677.	677.8	678.2	675.9	669.5	665.3
29	674.8	675.9	682.3	699.2	716.3	723.1	725.5	722.5	716.2	707.5	700 9	700.1
30	718.1	709.6	702.7	699.9	695.	692.1	693.5	697.	698.9	697.5	698.5	707.4
Means	733.7	731.4	733.1	736.9	738.6	740.1	741.6	742.3	741.9	747.2	748.	750.7
Reduced to 32° F.	325.	321.	318.7	318.4	321.4	321.6	320.4	322.3	314.	319.3	318.8	312.

* See disturbance observations.

Göttingen time.. Observatory time.	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
Nov. 1	754.7	768.6	778.1	795.6	802.	795.	779.6	769.1	760.7	756.2	754.3	753.3	739.	313.8
2	757.4	776.7	798.7	808.7	826.1	*824.7	*815.5	811.8	*802.3	*798.1	798.	792.	777.7	303.5
4	845.1	835.6	841.1	859.	859.3	850.4	833.6	814.6	797.7	794.6	799.7	795.	825.1	310.8
5	790.	794.	788.4	785.	797.9	788.8	781.	776.1	763.4	755.	751.2	747.	774.	317.7
6	756.9	756.1	755.4	744.2	775.3	771.4	769.2	761.5	757.1	754.6	752.1	751.2	753.1	317.1
7	759.7	771.1	786.9	804.	809.4	802.9	795.6	786.4	777.1	767.8	760.8	753.9	760.7	323.4
8	799.4	826.7	850.9	862.	865.5	859.9	846.2	829.7	821.1	813.2	802.8	794.3	796.6	307.9
9	790.8	808.9	827.7	837.	841.1	840.2	839.9	838.6	838.9	836.6	831.6	826.8	809.7	303 8
11	804.1	819.4	832.1	839.9	889.7	882.	868.3	854.2	844.	834.2	826.7	818.6	819.1	300.7
12	796.4	810.6	822.4	822.8	835.9	842.8	840.5	836.8	832.7	828.7	828.4	832.7	814.2	299.8
13	840.	830.1	822.	813.5	800.5	796.7	792.	788.8	783.1	775.8	765.8	756.1	823.1	308.7
14	708.5	708.7	713.7	696.7	737.9	737.	726.6	714.1	709.	702.9	697.1	696.9	718.7	317.9
15	715.4	728.8	748.1	765.1	792.	773.	756.9	737.9	719.	712.9	713.1	711.5	711.3	315.8
*16	756.3	754.7	757.8	764.3	776.7	777.7	773.1	765.6	758.9	753.2	748.5	736.7	758.1	306.1
18	780.4	772.2	767.5	757.4	745.8	727.6	716.9	709.7	700.1	697.4	699.1	704.5	752.2	320.2
19	699.5	705.1	714.1	726.7	733.4	727.8	720.1	702.6	686.6	674.6	669.	668.1	695.2	325.3
20	715.	718.2	715.7	717.6	716.1	716.2	712.	706.9	703.2	705.7	718.4	738.1	702.7	316.7
21	785.7	786.	790.3	792.	792.	791.6	783.9	780.4	776.4	770.4	776.1	796.3	778.3	303.9
*22	821.	817.6	807.2	799.9	802.7	792.5	785.4	767.9	769.4	772.7	782.5	793.1	812.7	303.8
23	795.	809.	829.3	813.5	845.9	841.2	831.8	820.4	810.7	799.2	795.3	803.5	803.1	302.3
25	642.1	633.9	627.5	627.5	625.3	619.8	613.7	605.8	601.8	602.3	607.	613.6	602.7	362.4
26	700.2	687.7	675.7	660.8	648.	637.3	631.1	626.9	620.	613.5	611.4	616.7	655.7	346.5
27	723.1	716.5	709.8	704.5	702.2	696.	692.1	690.9	686.5	689.4	692.8	697.4	700.1	314.1
28	662.4	659.4	657.5	662.2	664.9	661.3	653.	654.	650.8	654.7	660.4	668.9	669.	339.6
29	719.5	751.8	758.1	752.7	738.5	732.6	730.7	730.8	729.3	730.	725.9	723.3	718.6	320.4
30	708.4	706.7	702.4	698.	697.	700.2	701.	703.1	701.7	702.9	711.5	718.7	702.6	324.6
Means	754.9	759.9	764.5	765.8	773.9	768.7	761.1	753.2	746.2	742.6	741.5	741.5	748.2	

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time..	6 04	7 04	8 04	9 04	10 04	11 04	12 04	13 04	14 04	15 04	16 04	17 04
Observatory time.	0 23½	1 23½	2 23½	3 23½	4 23½	5 23½	6 23½	7 23½	8 23½	9 23½	10 23½	11 23½
Nov. 1.....	60.3	60.2	59.8	59.6	59.2	58.9	59.1	58.8	61.	61.6	62.7	64.7
2.....	65.2	65.8	66.	65.8	65.	65.1	65.2	64.	63.	62.5	63.6	65.
4.....	69.5	69.8	69.6	69.3	69.2	69.1	69.7	69.9	71.4	73.	72.3	71.3
5.....	66.2	65.3	66.2	65.8	65.2	64.6	64.5	64.1	64.8	65.	66.	67.5
6.....	63.7	63.7	64.2	64.	63.9	63.9	63.6	63.1	63.	62.5	63.7	64.7
7.....	64.2	63.8	64.	63.3	62.5	62.2	62.	61.7	62.9	63.4	64.2	65.1
8.....	63.3	63.5	64.3	64.5	64.8	65.7	65.9	64.9	66.3	67.2	67.2	67.3
9.....	66.	66.3	67.	68.7	68.8	67.8	66.8	66.	68.3	68.5	67.6	67.5
11.....	67.7	67.2	67.9	68.2	68.1	67.9	68.5	67.9	67.3	66.6	66.3	69.1
12.....	69.8	69.2	68.2	68.1	67.9	68.6	70.	69.2	69.	68.8	67.2	68.2
13.....	71.5	71.8	72.2	72.7	73.	73.3	73.7	74.	73.1	72.5	73.1	71.5
14.....	62.7	62.8	64.1	63.	62.2	62.2	60.9	60.	60.9	60.7	61.	61.
15.....	58.3	58.3	58.4	59.	58.9	58.3	57.9	57.8	59.	59.4	60.6	62.
16.....	60.	59.4	59.3	59.7	60.1	60.4	60.9	61.8	63.9	64.2	63.7	66.2
18.....	61.7	63.	64.9	65.7	66.1	66.7	68.1	68.4	67.9	68.7	68.	66.4
19.....	59.2	58.6	58.2	57.8	57.5	57.1	56.8	58.1	59.3	59.7	59.5	60.5
20.....	58.1	58.5	58.8	58.8	58.8	59.	60.1	60.2	60.5	60.3	60.2	61.2
21.....	64.9	64.7	65.5	65.5	65.9	65.9	66.3	65.2	66.3	67.7	67.3	67.3
22.....	69.5	71.7	71.9	71.9	71.4	71.	70.1	70.1	70.1	70.1	70.	70.2
23.....	68.2	68.	67.1	67.	66.4	67.2	67.4	67.7	68.8	67.5	67.3	68.5
25.....	43.3	43.8	44.2	44.9	44.9	46.1	49.	50.9	52.9	54.	53.3	53.3
26.....	52.3	52.7	53.9	54.7	55.3	56.7	58.4	58.5	58.	58.5	59.8	59.6
27.....	55.1	58.5	60.	62.3	61.	60.8	59.4	59.5	61.3	61.2	62.3	62.1
28.....	58.	57.1	57.4	57.8	58.1	58.	57.	57.1	57.	56.1	55.2	55.6
29.....	57.2	57.7	58.7	60.9	62.1	61.8	61.6	61.	59.9	58.9	59.	59.7
30.....	60.9	60.	60.	59.7	59.3	59.3	60.	59.8	59.3	59.1	59.8	60.7
Means.....	62.2	62.4	62.7	63.	62.9	62.	63.2	63.1	63.7	63.7	63.8	64.5

gen time..... / vatory time.....	h. m. 18 04 / 12 23½	h. m. 19 04 / 13 23½	h. m. 20 04 / 14 23½	h. m. 21 04 / 15 23½	h. m. 22 04 / 16 23½	h. m. 23 04 / 17 23½	h. m. 0 04 / 18 23½	h. m. 1 04 / 19 23½	h. m. 2 04 / 20 23½	h. m. 3 04 / 21 23½	h. m. 4 04 / 23 23½	h. m. 5 04 / 23 23½	Means
Nov. 1.....	65.6	67.3	68.3	70.	68.7	66.9	65.7	65.3	64 8	65.	65.	64.7	63.5
2.....	66.7	69.3	72.	74.	71.2	70.3	70.	69 2	68.4	68.6	68.2	66.1	67.1
4.....	70.6	70.3	72.2	73.8	72.5	71.	69.5	67 7	67.3	68.4	68.2	66.4	70.1
5.....	67.9	68.2	67.7	69.1	67.6	66.1	66.1	65.4	64.4	64.4	64.1	63.1	65.8
6.....	65.1	65.3	66.	65.8	66.	65.5	64.9	64.3	64.0	64.2	64.2	63.9	64.8
7.....	66.4	68.	69.8	70.2	70.	68.3	67.6	66.8	65.9	65.4	64.7	64.	64.4
8.....	70.7	73.2	75.	73.3	73.6	72.	70.8	69.5	70.	68.6	67.9	67.	68.3
9.....	69.3	72.	74.2	72.3	71.9	72.1	71.9	71.6	71.7	71.6	70.6	69.	69.4
11.....	71.	71.7	74.2	78.1	76.2	74.8	73.6	72.8	72.1	71.2	70.7	70.	70.4
12.....	69.3	71.4	70.8	72.	73.1	72.6	72.1	71.6	71.6	71.2	71.4	71.6	70.1
13.....	70.6	70.	69.4	67.7	68.3	67.9	67.5	67 5	66.8	66.	65.	63.8	70.1
14.....	61.5	62.5	63.4	63.2	63.9	63.8	61 4	60.7	60.7	60.	59.8	59.7	61.7
15.....	62.5	61.2	66 6	70.2	66.6	65.3	63.8	62.1	61.3	61.8	61.5	61.	61.3
16.....	65.6	67.2	68.2	67.6	68.4	67.8	67.	66.1	65.3	64.2	63.1	63.5	64.
18.....	65.	65.5	64.3	64.	63.5	60.7	60 6	59 6	58.8	58. :	58.3	60.2	64.
19.....	60.7	62.1	63.5	64.	63.	61.5	60.7	58.3	58.	57.5	57.2	57.7	59.4
20.....	62.	61.6	62.2	61.7	61.2	61.	60.5	60.1	60.2	61.6	63.9	64.8	60.6
21.....	66.8	67.6	67.6	68.3	67.5	67.	66.2	64.7	65 7	65.6	67.8	70.	66.4
22.....	70.6	70.2	69.8	68.8	68.9	68.2	67.7	67.2	67.3	68.	68.9	69.5	69.7
23.....	70.	71.	74.	76 2	73.4	71.2	70.5	69 3	68.6	68.	68.5	68 9	69.1
25.....	52.7	52.2	52.2	52.2	51.4	50.8	49.8	49.4	49.6	50.1	51.2	51.1	49.8
26.....	57.8	56.5	55 5	54.	53.2	52.4	52.6	51.6	51.3	51.2	51.7	52.5	54.9
27.....	61.	60.5	60.	60.	58.8	58.3	58.3	58.3	58.3	58.9	59.2	59.3	60.6
28.....	55.4	55.6	55.7	56.3	56.3	55.4	55.4	55.	55.1	56.3	56.9	57.	56.4
29.....	64.	66.8	65.5	63.2	61.9	62.3	62.5	62.3	62.5	62.3	61.9	61.4	61.5
30.....	60.3	60.2	59.6	59.2	59.9	59.7	60.	59.2	59.9	60.5	61.6	61.4	60.
Means	65.	65.7	66.4	66.7	66.	65.1	64.5	63.8	63.4	63.4	63.1	62.8	63.9

1940

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	*h. m.* 13 54	*h. m.* 14 00	*h. m.* 14 06	*h. m.* 13 56	*h. m.* 14 02	*h. m.* 14 08	Temperature Fahrenheit.	*h. m.* 13 58	*h. m.* 14 04	*h. m.* 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Nov. 1.....	556.5	556.3	556.8	1103.9	1104.9	1104.2	58.1	690.8	692.	692.9	61.
2.....	546.	545.7	545.6	1133.	1133.8	1136.4	61.4	748.5	747.5	746.9	63.
4.....	548.	546.8	547.8	1155.2	1156.4	1155.2	68.9	822.2	823.5	824.8	71.4
5.....	548.6	546.2	546.8	1122.7	1123.8	1122.3	61.2	757.5	757.3	757.2	64.8
6.....	549.4	549.	548.	1124.5	1125.6	1125.7	60.7	742.3	741.	741.	63.
7.....	548.9	549.5	549.	1127.7	1127.1	1129.	60.1	724.8	724.9	725.1	62.9
8.....	550.7	550.6	550.5	1127.5	1133.2	1132.6	64.	763.7	764.	764.5	66.3
9.....	551.6	554.5	553.9	1123.2	1121.2	1122.7	64.2	783.4	784 1	785.1	68.3
11.....	545.7	546 1	547.3	1128.7	1131.7	1124.4	65.3	799.9	799.2	799.2	67.3
12.....	547.7	546.8	546.6	1141.3	1143.9	1145.9	67.1	805.	804.9	805.	69.
13.....	545.4	545.	545.7	1161.8	1163.8	1164.3	71.2	862.5	862.	861.7	73.1
14.....	550.9	551.	550.3	1115.4	1114.5	1115.7	57.9	703.	702.1	702.4	60.9
15.....	550.6	550.8	551.4	1113.6	1113.6	1113.1	56.1	671.4	671.6	672.6	59.
16.....	550.2	546.2	545.9	1120.8	1117.6	1124.8	59.9	723.9	729.4	732.2	63.9
18.....	549.	548.5	549.8	1153.9	1152.7	1152.	66.2	800.	799.7	800.	67.9
19.....	545.3	544.8	546.9	1128.8	1130.	1136.7	55.9	682.9	683.	683.5	59.3
20.....	548.1	548.7	547.5	1131.8	1133.3	1134.4	58.2	699.8	700.1	700.3	60.5
21.....	549.4	550.3	550.5	1134.	1134.8	1134.2	63.4	772.3	773.8	773.2	66.3
22.....	552.	552.3	551.1	1149.	1150.1	1152.4	68.1	827.6	827.5	827.	70.1
23.....	546.	545.5	548.2	1157.6	1160.3	1159.2	66.4	788.4	789.9	791.4	68.8
25.....	559.	560.	560.9	1094.1	1096.	1097.2	48.	616.3	618.8	621.2	52.9
26.....	558.4	559.5	559.8	1107.7	1107.4	1108.9	53.3	690.8	690.8	690 6	58.
27.....	560.	560.4	560.5	1117.9	1118.8	1118.4	58.9	706.6	707.4	708.2	61.3
28.....	547.6	547.9	547.7	1128.5	1124.5	1121.	54.6	678.1	678.2	678.9	57.
29.....	550.9	551.1	550.4	1142.7	1145.4	1145.1	57.3	717.1	716.2	715.	59.9
30.....	547.7	548.2	548.5	1141.4	1141.9	1141.3	57.3	698.9	698.9	698.9	59.2

Göttingen time... Observatory time.	A. m. 6 00 0 19½	A. m. 7 00 1 19½	A. m. 8 00 2 19½	A. m. 9 00 3 19½	A. m. 10 00 4 19½	A. m. 11 00 5 19½	A. m. 12 00 6 19½	A. m. 1 00 7 19½	A. m. 2 00 8 19½	A. m. 3 00 9 19½	A. m. 4 00 10 19½	A. m. 5 00 11 19½
Dec. 2.....	545.7	545.9	547.	545.	544.8	544	544	544	544	544	544	544
3.....	548.1	547.5	548.3	548.6	548.1	548.3	548.6	548.1	548.4	548.4	548.4	548.4
4.....	545.5	544.1	544.5	545.3	545.3	544.4	544	544	544	544	544	544
5.....	547.1	546.5	545.3	546.3	545.3	545.3	545.3	545.3	545.3	545.3	545.3	545.3
6.....	544.5	544.	544.3	544.3	544	544.3	544.3	544.3	544.3	544.3	544.3	544.3
7.....	542.	541.1	545.3	545	545.3	545.3	545.3	545.3	545.3	545.3	545.3	545.3
9.....	539.3	539.3	539.5	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3	539.3
10.....	538.4	539.5	536.1	540.4	540	540	540	540	540	540	540	540
11.....	536.6	536.1	537.3	540	540	540.4	540.4	540.4	540.4	540.4	540.4	540.4
12.....	538.3	536.6	536.4	538.3	540.7	540.1	540.4	540.4	540.4	540.4	540.4	540.4
13.....	536.	534.	535.1	538.3	540.1	541.	540	540	540	540	540	540
14.....	535.8	540.3	536.1	537.	537.	540.	540.1	540	540	540	540	540
16.....	534.5	531.9	530.3	531.7	538.3	541.3	541.4	541	540	540	540	540
17.....	532.3	532.1	535.3	539.	540.3	541.3	540.7	541.	540	540	540	540
18.....	530.9	530.3	531.5	540.1	541.	540.3	540.	541.	540	540	540	540
19.....	532.5	529.7	537.9	541.	540.3	540.3	540.3	540	540	540	540	540
20.....	532.7	531.5	530.5	540.3	539.7	540.3	541	540	540	540	540	540
21.....	529.5	533.7	537.3	530.3	534.3	540.5	541	541	540	540	540	540
23.....	529.1	530.	530.	531.3	540.7	541.	541.	541	540	540	540	540
24.....	529.5	528.7	529.7	529.5	529.7	541.3	541	541	540	540	540	540
25.....	531.7	529.7	530.5	530.	529.5	529.	541	541	540	540	540	540
26.....	530.5	530.4	531.1	534.	530.	540.7	541	541	540	540	540	540
27.....	536.	534.6	535.	530.	540.3	540.3	541	541	540	540	540	540
28.....	533.3	533.5	541.9	541.9	540.3	541.4	541	541	540	540	540	540
30.....	534.6	537.4	530.	539.1	540.7	540.1	540.	541	540	540	540	540
31.....	530.5	530.5	537.1	538.3	541.9	541.7	540.3	540.5	540	540	540	540
Means.....	536.4	535.	534.4	538.1	540.6	540.	540.7	540.5	540	540	540	540

Göttingen time Observatory time	*h. m.* 18 00 12 19½	*h. m.* 19 00 13 19½	*h. m.* 20 00 14 19½	*h. m.* 21 00 15 19½	*h. m.* 22 00 16 19½	*h. m.* 23 00 17 19½	*h. m.* 0 00 18 19½	*h. m.* 1 00 19 19½	*h. m.* 2 00 20 19½	*h. m.* 3 00 21 19½	*h. m.* 4 00 22 19½	*h. m.* 5 00 23 19½	Means.
Dec. 2	544.3	544.8	545 5	549.	551.3	553.1	551.7	552.	554.6	551.9	550.	551.1	549.2
3	541.1	539.5	540.8	542.	542.8	543.1	541.3	542.	542.5	544.8	544.6	544.3	545.4
4	538.6	534.5	533.5	538.5	535.7	536.5	548.2	543.5	543.	553.9	560.4	542.2	543.3
5	538.6	541.4	539.2	541.7	542.2	542.7	543.6	543.1	543.3	545.5	544.3	543.4	544.8
6	539.5	538.5	537.2	538.1	540.5	541.8	541.9	542.7	543.7	542 5	542.	541.5	543.7
7	544.4	542.6	540.2	542.	544.9	543.9	542.3	541.9	545.3	545.8	547.1	546.7	543.9
9	535.	534.2	534.9	537.7	538.9	540.3	539.7	538.	537.8	537.4	538.9	542.7	538.3
10	536.2	534.3	537.1	538.5	538.8	539.8	539.4	539.1	539.6	539.2	539.1	538.	538.4
11	531.7	533.2	531.	531.2	535.5	538.3	538.7	540.	539.6	539.7	539.3	540.6	536.8
12	532.1	531.8	532.5	534.8	535.5	536.9	537.9	538.	537.8	538.7	538.3	539.1	537.1
13	529.5	526.8	527.2	530.2	532.1	534.5	535.	535.	535.3	535.5	535.6	535.2	534.4
14	521.9	510.	510.4	519.8	531.1	534.4	537.1	536.5	537.6	*546.3	*561.9	540.7	534.8
16	523.9	520.9	526.	523.9	530.7	533.2	533.6	542.6	533.9	533.5	533.8	533.1	530.8
17	529.3	513.5	497.6	524.4	526.	530.	531.3	531.4	531.8	531.1	531.8	540.	529.
18	531.6	529.9	527.3	528.4	529.3	530.5	530.9	531.2	532.8	532.9	532.6	532.2	531.1
19	523.2	524.6	527.	527.	525.9	526.6	533.7	531.4	533.3	533.4	534.8	535.2	530.5
20	527.	522.9	524.6	530.7	527.5	530.4	532.	540.	546.3	539.1	539.5	537.5	531.2
21	527.1	524.3	525.6	527.2	527.2	534.7	533.8	532.9	534.	533.2	531.6	530.9	529.2
23	527.7	527.4	529.1	530.4	530.7	532.5	531.3	534.1	531.1	532.2	532.	531.8	531.3
24	527.8	526.1	528.8	529.7	530.8	530.7	532.3	532.2	532.5	533.	532.	530.	530.6
25	524.3	522.6	524.6	527.	528.7	530.2	532.3	532.9	534.4	533.4	534.6	533.4	530.8
26	525.2	523.9	520.3	526.7	530.2	529.	530.8	532.	532.8	533.2	533.	538.5	530.2
27	523.1	522.5	526.8	528.8	530.2	532.3	529.6	533.8	535.4	534.6	531.6	531.4	531.6
28	520.2	519.3	520.4	526.5	529.9	530.8	530.6	533.3	532.9	532.8	532.	531.5	530.4
30	521.2	520.4	516.	524.3	530.7	529.6	534.7	540.4	537.8	534.2	537.7	531.3	530.8
31	525.2	522.1	522.7	526.8	529.9	533.7	532.4	533.6	535.	536.1	539.6	532.6	531.6
Means	530.4	528.2	527.9	531.4	533.3	535.3	536.3	537.4	537.8	538.2	539.2	537.9	535.3

* See disturbance observations.

	Ingen time... / Observatory time.	A. m. 6 02 / 0 21½	A. m. 7 02 / 1 21½	A. m. 8 02 / 2 21½	A. m. 9 02 / 3 21½	A. m. 10 02 / 4 21½	A. m. 11 02 / 5 21½	A. m. 12 02 / 6 21½	A. m. 13 02 / 7 21½	A. m. 14 02 / 8 21½	A. m. 15 02 / 9 21½	A. m. 16 02 / 10 21½	A. m. 17 02 / 11 21½
Dec.	2	1140.6	1137.3	1136.6	1134.7	1134.7	1132	1131.0	1131	1130.5	1130	1130	1130.7
	3	1133.5	1133.3	1133.	1132.4	1132.0	1130.5	1130.4	1130.	1129.4	1129.4	1129.4	1130.0
	4	1126.8	1131.9	1129.8	1130.	1130.9	1131.0	1131.4	1130.0	1129.1	1127.8	1128.8	1128.1
	5	1160.4	1151.8	1151.7	1149.0	1150.9	1148.	1148.0	1148.1	1148.8	1148.8	1148.	1148.0
	6	1146.	1147	1145.5	1145.8	1146.2	1144.4	1139.5	1149.1	1148	1148.8	1148	1148.0
	7	1144	1148.6	1149.5	1149.	1145.0	1148	1138.0	1138.0	1140.0	1140.0	1137	1141.7
	9	1149.1	1149.	1151.5	1148.8	1148	1138.0	1138.4	1140.5	1138.8	1138.0	1134.0	1139.0
	10	1208.5	1198.	1191.7	1189.6	1188.5	1188.7	1178	1180.8	1188.5	1181.5	1183.8	1184.5
	11	1195.5	1193.9	1185.6	1189.4	1188.7	1180.7	1174.7	1178.0	1182.5	1178.4	1180.7	1180
	12	1180.4	1183.6	1178.6	1178.7	1178.0	1170.7	1167.0	1170.7	1180.1	1174.1	1181.1	1180.0
	13	1198.7	1196.1	1201.6	1187.7	1186.4	1186.7	1180.5	1181.7	1187.4	1187.0	1186.	1186.5
	14	1193.5	1192.3	1190.7	1187.1	1184.7	1189.8	1179.4	1180.8	1178	1188.8	1186.0	1184.1
	16	1179.7	1184.5	1176.4	1187.6	1189.7	1186.8	1188.7	1188.1	1180.0	1184.7	1186.0	[illegible]
	17	1213.9	1213.2	1213.7	1213.5	1211.0	1207.5	1199.0	1200.0	1200.0	1202	1200.4	[illegible]
	18	1218.2	1209.1	1200.5	1201.2	1189.6	1187.0	1188.8	1189.1	1181.0	1189.1	1190	[illegible]
	19	1193.5	1191.7	1184.	1189.5	1196	1187.	1186.1	1186.7	1182.8	1188	1214.1	[illegible]
	20	1227.	1215.5	1213.8	1208.7	1194.8	1199.0	1189.4	1210.7	1195.8	1210	1202.1	[illegible]
	21	1204.	1220.	1210.7	1202.	1194.0	1200.7	1180.8	1170.6	1178.5	1192.0	1046.7	[illegible]
	23	1229.9	1227.9	1230.6	1229.	1225.4	1224.6	1221.8	1222.8	1224.1	1240.5	1227.1	[illegible]
	24	1211.2	1210.	1205.5	1203.2	1203.	1198.0	1196.8	1197	1198.7	1195.6	1209.1	[illegible]
	25	1219.	1214.	1211.7	1210	1211.6	1208.5	1208.7	1206.8	1207.5	1215.7	1217.0	1220.8
	26	1221.8	1220.5	1218.1	1213.5	1219.2	1211.7	1208.0	1201.8	1199.4	1208.4	1208.4	1207.0
	27	1261.	1245.2	1241.5	1234.	1230.	1227.8	1221.	1229.1	1229.5	1235	1242.8	1229.8
	28	1213.9	1209.9	1206.5	1203.8	1196.4	1197.	1198.4	1204.	1225.2	1208.8	1221.0	1224.1
	30	1240.0	1243.3	1228.2	1226.7	1218.2	1222.8	1221.8	1219.8	1227	1245.	1230.5	1240.5
	31	1252.2	1251.9	1247.	1244.7	1241.7	1246.7	1241.5	1241.8	1251.	1279.5	1221.5	1227.1
Means		1194.6	1193.6	1189.4	1187.2	1184.2	1183.	1178.8	1181.7	1183.2	1186.6	1187.8	1189.

[96]

1861

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Means.	Reduced to 32° F.
Göttingen time..	18 02	19 02	20 02	21 02	22 02	23 02	0 02	1 02	2 02	3 02	4 02	5 02		
Observatory time.	12 21½	13 21½	14 21½	15 21½	16 21½	17 21½	18 21½	19 21½	20 21½	21 21½	22 21½	23 21½		
Dec. 2	1157.6	1141.5	1130.3	1128.5	1122.6	1124.8	1123.6	1125.4	1127.8	1136.1	1134.3	1130.2	1131.7	1084.8
3	1140.6	1142.2	1138.	1130.	1130.5	1129.3	1133.5	1134.	1130.	1125.7	1126.4	1125.7	1132.3	1088.9
4	1140.2	1137.5	1157.5	1149.2	1148.6	1162.3	1155.5	1148.1	1147.7	1155.8	1156.1	1168.2	1139.8	1091.5
5	1157.1	1157.4	1148.	1146.8	1141.8	1145.	1145.	1146.6	1144.2	1142.6	1147.	1145.8	1149.1	1093.2
6	1165.4	1170.5	1162.	1152.8	1145.7	1141.4	1144.9	1145.7	1144.	1145.7	1144.5	1144.8	1150.1	1093.1
7	1145.4	1143.7	1133.1	1124.1	1116.8	1122.3	1111.1	1105.6	1102.1	1103.5	1100.6	1095.5	1129.9	1071.8
9	*1193.3	1195.	1187.9	1184.	1179.6	1177.9	1177.5	1178.8	1177.6	1190.7	1204.7	1200.1	1172.3	1127.8
10	1203.2	1199.6	1196.3	1193.7	1192.8	1193.5	1195.6	1193.5	1196.3	1199.	1198.5	1198.1	1194.1	1146.2
11	1174.1	1174.	1174.5	1171.9	1169.1	1165.7	1171.1	1171.	1176.1	1182.5	1181.2	1179.	1177.8	1135.8
12	1187.4	1184.3	1178.6	1179.	1180.6	1182.6	1185.	1186.9	1191.3	1195.4	1201.5	1203.2	1182.2	1141.4
13	1201.5	1199.	1193.7	1186.2	1180.4	1179.3	1180.2	1182.6	1186.2	1186.9	1192.9	1192.9	1189.8	1144.6
14	1247.8	1240.1	1231.5	1211.6	1194.9	1190.7	1208.4	1231.1	1225.6	†1240.2	†1240.4	1236.3	1207.3	1162.7
16	1216.6	1207.	1196.5	1197.	1189.3	1185.9	1191.6	1179.8	1198.5	1207.3	1212.	1216.1	1187.7	1158.3
17	1215.4	1218.5	1219.	1208.6	1197.8	1194.6	1194.	1195.4	1195.3	1199.2	1204.7	1198.5	1205.6	1160.8
18	1198.7	1200.9	1196.4	1189.1	1184.5	1187.6	1204.1	1194.3	1185.9	1195.	1193.2	1196.5	1193.6	1155.2
19	1221.5	1208.3	1208.2	1206.7	1204.9	1238.4	1210.2	1213.5	1210.2	1211.6	1217.2	1215.9	1204.1	1161.4
20	1226.9	1224.6	1225.8	1276.1	1217.7	1215.3	1216.8	1239.4	1220.1	1227.2	1225.6	1222.1	1218.2	1174.5
21	1211.3	1211.5	1209.1	1208.4	1210.7	1215.5	1200.9	1197.3	1198.2	1205.4	1201.4	1200.8	1204.	1165.8
23	1235.	1236.6	1229.7	1226.6	1220.6	1212.3	1218.5	1220.2	1215.5	1213.3	1217.6	1222.1	1225.4	1166.5
24	1217.3	1209.2	1207.8	1207.8	1212.1	1217.2	1213.2	1209.4	1212.8	1215.8	1216.	1217.4	1208.2	1158.
25	1227.7	1226.2	1223.7	1218.4	1222.9	1231.1	1220.2	1218.9	1216.1	1225.8	1223.1	1228.5	1218.6	1161.6
26	1233.7	1236.6	1249.8	1246.9	1228.5	1226.6	1223.5	1225.	1223.6	1225.5	1230.3	1230.5	1224.2	1162.8
27	1252.5	1238.6	1228.1	1216.	1215.3	1217.7	1227.1	1216.4	1228.4	1222.6	1213.	1210.6	1230.1	1169.3
28	1225.5	1215.6	1202.4	1196.1	1193.4	1198.	1200.5	1207.8	1204.7	1199.7	1201.1	1202.5	1207.4	1162.
30	1267.7	1268.	1243.5	1233.2	1243.8	1232.1	1215.5	1231.1	1238.6	1242.8	1236.	1233.2	1238.4	1190.3
31	1271.3	1261.	1256.4	1239.5	1239.6	1238.4	1234.9	1233.3	1233.2	1239.9	1239.4	1238.2	1249.7	1190.4
Means	1205.2	1201.7	1197.2	1193.4	1187.5	1189.	1189.8	1189.6	1189.6	1193.7	1194.6	1194.3	1191.3	
Reduced to 32° F.	1158.4	1153.4	1148.1	1143.4	1137.5	1139.6	1140.4	1140.	1140.2	1144.3	1144.4	1144.3		1143.1

* Supplied.

† See disturbance observations.

Göttingen time... / Observatory time .	h. m. 6 02 0 21½	h. m. 7 02 1 21½	h. m. 8 02 2 21½	h. m. 9 02 3 21½	h. m. 10 02 4 21½	h. m. 11 02 5 21½	h. m. 12 02 6 21½	h. m. 13 02 7 21½	h. m. 14 02 8 21½	h. m. 15 02 9 21½	h. m. 16 02 10 21½	h. m. 17 02 11 21½
Dec. 2	57.	56.5	56.	55.6	55.3	55.2	55.1	55.	55.2	56.2	56.9	58.5
3	56.8	56 4	56.5	56.9	56.2	55.3	54.7	54.1	55.1	55.8	55.8	55.8
4	53.3	54.5	55.3	55.3	55.7	55.8	55.3	55.4	55.4	56.3	57.	58.3
5	60.7	61.4	61.9	62.7	62.7	62.7	62.1	62.1	62.1	62.3	61.3	59.2
6	61.5	62.3	62.7	62.8	62.9	62.7	63.	63.	62.8	62.2	61.7	62.8
7	63.	63.4	62.9	62.	61.3	60.8	60.3	59.9	59.8	59:5	59.4	59.9
9	56.2	56.2	56.	55.4	55.1	54.8	53 8	53.3	54.	55.8	57.	57.5
10	54.5	55.	55.6	55.	55.1	55.6	55.4	54.8	55.7	56.2	56.1	56.2
11	59.	58.5	58.2	57.9	57.1	56.2	56.	55.3	54.	53.1	52.1	52.
12	54.	54.	53.9	53.	52.3	52.	51.1	50.8	51.7	51.3	51.2	50.7
13	56.2	56.	55.9	56.1	56.	55.8	55.9	56.1	56.	56.2	55.6	55.2
14	58.9	59.6	59.9	60.2	60.4	60.2	59.4	59.	58.1	57.8	55.3	54.8
16	41.2	40.8	40.8	40.7	41.	41.4	42.	42.9	44.4	45.	46.3	46.3
17	58.7	58.4	58.1	57.9	56.1	55.2	55.5	54.8	54.	53.8	54.	54.3
18	52.7	52.4	51.9	51.9	51.8	51.9	51.9	51.7	51.2	51.3	50.8	51.1
19	53.7	54.1	53.8	53.8	53.8	53.2	53.	52.5	52.	52.2	52.7	53.
20	55.9	55.8	55.4	55.	54.	53.	52.6	52.4	52.4	52.5	53.	54.5
21	54.7	54.4	54.2	53.3	52.4	51.1	50.4	49.8	49.2	49.	48.6	49.3
23	64.	64.8	65.	65.9	66.7	66.8	66.4	65.4	64.1	63.2	62.8	62.9
24	57.8	57.4	57.2	57.2	57.1	57.7	57.9	57.4	56.5	56.	56.3	56 2
25	61.5	60.4	61.	61.9	61.	61.2	62.	62.1	61.	60.4	59.9	60.1
26	62.2	62.8	62.8	61.9	61.1	60.7	60.2	59.3	59.8	60.8	61.8	62.8
27	66.	66.2	66.1	65.9	65.9	66.1	67.	66.9	66.3	65.7	66.	65.6
28	57.	56.2	55.8	51.9	54.	53.9	53.2	53.2	54.	54.6	54.	53.6
30	49.5	50.3	50.9	52.	53.	53.7	54.2	55.1	56.1	56.7	56.5	56.8
31	63.8	63.8	63.	63.4	63.6	63.8	64.1	63.7	63.	62.6	62.	61.7
Means	57.3	57.4	57.3	57.3	57.	56.8	56.6	56.4	56.3	56.4	56.3	56.5

Göttingen time Observatory time	*h. m.* 18 02 12 21½	*h. m.* 19 02 13 21½	*h. m.* 20 02 14 21½	*h. m.* 21 02 15 21½	*h. m.* 22 02 16 21½	*h. m.* 23 02 17 21½	*h. m.* 0 02 18 21½	*h. m.* 1 02 19 21½	*h. m.* 2 02 20 21½	*h. m.* 3 02 21 21½	*h. m.* 4 02 22 21½	*h. m.* 5 02 23 21½	Means.
Dec. 2	57.	57.7	58.4	58.9	58.2	57.4	57.4	56.9	56.6	57.	56.7	56.7	56.7
3	55.6	55.9	56.2	56.	55.6	54.8	53.8	52.8	51.7	51.2	51.4	51.9	54.8
4	59.3	60.2	60.6	59.3	58.8	58.2	58.	58.1	58.4	59.	60.	60.3	57.4
5	60.3	61.2	61.2	61.5	61.5	61.2	60.6	60.2	60.4	60.9	61.4	61.1	61.4
6	63.	63.	62.7	62.6	62.	61.8	61.9	61.8	61.5	61.7	62.	62.7	62.4
7	60.2	60.4	60.7	61.4	62.	62.9	64.	66.3	68.2	69.	68.3	67.4	62.6
9	57.8	58.2	58.2	57.7	56.3	55.2	54.	53.	52.5	53.	53.8	54.2	55.4
10	55.7	56.7	58.2	60.5	60.5	59.7	59.6	59.3	59.2	59.	59.5	59.	57.2
11	51.7	51.4	50.9	50.8	49.6	50.	50.9	51.3	52.	52.5	53.4	53.7	54.1
12	51.	52.8	54.2	54.8	55.2	54.8	55.	55.2	55.9	56.2	56.4	56.5	53.5
13	54.6	55.2	55.3	55.	55.	55.	55.2	55.8	55.7	55.8	57.	58.3	55.8
14	54.6	55.	54.8	54.6	54.6	54.2	54.6	55.	55.4	55.6	55.6	55.4	55.5
16	46.5	46.5	46.2	46.3	48.9	51.1	53.5	55.	56.5	58.	59.	59.3	47.5
17	54.9	55.3	56.	56.6	56.2	55.8	55.	55.	54.9	55.1	54.8	53.3	55.6
18	51.5	51.8	51.8	52.5	52.5	52.2	52.6	53.	53.6	53.7	53.2	53.3	52.2
19	53.8	55.	55.7	56.3	57.	56.2	56.	55.9	55.9	56.6	56.3	56.	54.5
20	53.1	54.3	56.	57.2	58.2	58.2	57.3	56.7	56.3	55.9	55.2	54.9	55.
21	49.6	51.3	52.3	54.8	55.9	55.	53.9	52.1	52.	51.1	51.	50.6	53.1
23	63.2	63.3	62.8	63.	61.1	61.1	62.	60.1	59.	60.1	60.1	58.2	62.
24	54.8	56.1	58.6	61.2	61.3	60.3	59.6	60.	59.8	60.4	61.9	62.5	58.4
25	61.	62.5	61.2	63.2	63.9	63.5	63.5	64.	63.9	63.5	63.4	62.8	62.
26	63.6	66.2	67.5	67.	65.8	65.7	66.2	66.1	65.5	64.9	64.4	66.3	64.3
27	65.2	64.8	64.	63.4	63.9	63.5	62.5	61.5	60.5	59.4	58.7	57.6	64.1
28	53.2	55.4	56.5	58.5	58.6	58.3	58.3	58.9	57.9	57.3	57.4	57.4	55.9
30	58.2	58.9	59.	59.3	59.2	59.3	60.6	62.7	63.1	63.5	63.9	63.7	57.3
31	61.	62.5	64.5	64.9	62.9	62.9	62.8	62.9	62.8	62.6	63.4	64.	63.2
Means	56.6	57.4	57.8	58.3	58.3	58.	58.	58.1	58.	58.	58.4	58.3	57.4

Göttingen time.. Observatory time.	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.	Reduced to 32° F.
Dec. 2.....	708.3	707.2	712.1	700.4	724.8	720.9	711.	706.7	701.8	699.9	697.7	698.5	698.	328.1
3.....	675.6	675.1	675.	673.	670.	662.6	650.8	637.4	623.8	613.7	612.4	617.6	669.7	334.9
4.....	707.2	717.6	725.4	720.5	709.1	699.2	694.3	692.	692.4	695.2	707.8	714.5	688.2	319.7
5.....	731.4	734.1	737.5	722.	739.9	738.2	732.9	726.6	724.1	725.4	730.2	731.9	741.4	316.2
6.....	746.1	747.3	743.9	741.8	739.	734.7	733.2	732.7	731.4	729.	731.6	739.1	742.4	314.5
7.....	678.5	677.2	679.2	682.2	690.	700.3	720.1	759.8	795.9	826.4	835.7	834.4	728.7	304.8
9.....	695.	698 7	700.7	682.8	692.9	685.6	655.6	635.7	623.8	620.6	630.3	641.3	676.4	309.2
10.....	689.6	700.8	711.7	706.5	737.	731.7	725.	719.7	714.5	710.6	713.6	713.6	690.1	289.2
11.....	612.6	606.	602.1	595.8	588.3	587.4	598.1	608.	618.4	626.	639.1	649.	642.1	305.9
12.....	606.7	616.1	632.2	640.3	647.	646.4	647.7	651.1	657.9	661.4	666.8	671.3	638.3	303.1
13.....	642.2	633.3	634.	635.2	632.1	628.9	629.3	634.8	637.3	637.9	649.4	671.8	650.	299.
14.....	633.9	624.8	624.6	626.5	633.3	630.9	631.3	635.	641.9	*644.9	*649.9	647.9	667.8	296.6
16.....	539.9	536.8	531.9	532.4	559.2	595 3	639.2	672.	696.9	722.	745 3	763.9	558.8	309.1
17.....	686.7	738.2	710.6	714.2	717.6	717.5	710.7	708.	706.1	704.9	703.6	692.2	714.5	320.3
18.....	641.3	640.4	644.2	644.	649.5	614.5	639.4	640.6	646.7	652.2	647.9	643.6	648.1	316.1
19.....	624.9	635.	652.	663.9	669.	671.8	663.5	660.	659.	665.	665.3	655.5	645.1	302.2
20.....	641.3	644.1	659.	663.	703.3	714.4	707 3	693.3	687.5	676.7	667.5	665.9	658.1	301.4
21.....	577.1	587.6	607.	631.2	649.5	645.5	631.	611.9	601.3	587.4	578.9	572.7	612.1	303.4
23.....	758.5	771.3	776.	774.2	768.3	767.2	781.2	771.2	753.1	759.3	770.9	758.1	777.9	306.8
24.....	687 7	682 2	715.4	732.3	769.3	764.7	749.9	745.1	740.4	746.3	766 9	786.7	736.	304.
25.....	736.	749.4	754.9	746.2	771.7	773.5	774.3	781.	783.9	780.2	780.8	775.5	764.9	305.9
26.....	762.3	790.6	821.8	814.5	816.	803.5	798.2	797.5	794.1	788.5	782.	793.1	766.1	294.9
27.....	804.3	801.5	795.5	787.	797.8	798.1	788.3	757.2	747.8	736.	750.9	725.	788.3	303.3
28.....	681.5	695.1	718.1	736.6	775.8	783.1	770.9	769.4	758.3	741.8	735.1	737.3	716.7	299.5
30.....	704.7	715.8	712.6	696.7	707.8	711.9	722.8	751.9	769.3	778.7	787.2	788.6	689.8	295.3
31.....	739.1	745.6	772.5	770.3	778.8	776.7	768.4	766.2	765.	760.8	768.1	782.2	775.8	302.
Means.....	681.3	687.4	694.2	693.6	705.2	705.2	702.9	702.8	702.7	703.5	708.4	710.4	695.6	
Reduced to 32° F.	302.	293.2	293.3	285.9	302.9	310.7	308.4	308.3	308.2	303.9	303.4	306.7		307.

* See disturbance observations.

[illegible]

Göttingen time..... Observatory time.....	h. m. 18 04 12 23½	h. m. 19 04 13 23½	h. m. 20 04 14 23½	h. m. 21 04 15 23½	h. m. 22 04 16 23½	h. m. 23 04 17 23½	h. m. 0 04 18 23½	h. m. 1 04 19 23½	h. m. 2 04 20 23½	h. m. 3 04 21 23½	h. m. 4 04 22 23½	h. m. 5 04 23 23½	Means.
Dec. 2.....	60.2	61.2	61.7	64.2	61.7	60.3	59.7	59.3	59.2	59.5	59.1	59.2	59.4
3.....	58.	58.	57.8	57.6	57.1	56.	55.	53.6	52.6	52.3	52.9	53.6	56.8
4.....	61.6	62.6	62.5	61.	60.3	59.7	59.4	59.4	59.6	60.6	61.6	62.	59.3
5.....	62.8	63.8	63.7	63.5	63.3	62.8	62.	61.8	62.	62.7	63.1	62.9	63.5
6.....	64.2	64.	63.6	63.	62.7	62.6	62.8	62.7	62.4	62.5	63.3	64.	63.7
7.....	59.9	60.2	60.3	61.	61.6	63.7	61.4	68.1	70.5	71.9	71.1	70.4	63.4
9.....	61.5	61.7	62.	62.6	60.1	58.2	56.6	55.4	55.	56.2	57.2	58.9	59.2
10.....	61.7	63.7	65.	66.3	65.2	63.6	63.5	63.	62.9	62.7	63.3	62.6	61.7
11.....	54.1	53.8	53.3	52.9	52.1	53.3	54.2	55.3	56.	56.7	57.9	58.	56.9
12.....	54.6	57.2	57.6	58.	58.1	57.3	57.8	58.2	59.	59.2	59.5	59.3	56.9
13.....	56.8	58.2	57.3	57.	56.4	56.2	56.8	57.3	57.1	57.6	59.5	61.3	58.
14.....	57.	57.3	57.8	57.5	57.	56.4	57.3	57.5	58.3	58.3	58.	58.1	59.5
16.....	48.6	48.8	48.3	48.5	52.1	55.2	58.4	59.7	61.8	63.8	65.3	65.8	50.5
17.....	60.2	61.6	62.	62.	62.1	61.2	60.4	61.	60.4	61.	60.	58.3	61.2
18.....	56.4	56.7	57.1	57.5	57.4	56.4	56.7	57.1	57.8	57.4	56.9	56.8	56.6
19.....	57.	58.5	59.	59.6	60.	59.3	58.5	58.3	58.9	59.4	59.	58.8	57.4
20.....	57.3	59.3	61.	63.2	63.3	62.7	61.	60.2	60.	59.	58.4	59.3	58.5
21.....	53.2	54.5	56.2	58.7	58.8	56.9	55.3	53.6	53.4	52.7	52.2	51.4	54.5
23.....	66.3	67.3	66.7	66.3	65.2	66.6	67.3	64.7	64.4	66.4	66.	63.7	66.9
24.....	59.	62.	65.8	67.8	67.	65.	64.2	64.5	64.2	65.8	67.8	68.	64.
25.....	65.8	67.5	66.3	68.2	67.9	67.3	67.5	68.2	67.8	67.5	67.2	66.3	66.
26.....	68.2	71.5	72.8	71.3	69.4	68.9	69.2	68.9	68.2	67.7	67.9	69.3	66.9
27.....	69.3	68.7	68.	68.	69.3	68.4	67.	65.4	64.9	63.9	64.	63.6	68.
28.....	60.2	63.	65.2	67.8	68.9	66.	65.8	66.3	64.2	64.	63.9	64.1	63.9
30.....	63.2	63.6	63.3	63.6	63.1	62.9	65.3	67.1	67.4	68.2	68.1	68.	61.3
31.....	64.3	67.5	69.8	70.2	67.9	66.8	66.7	66.9	66.3	66.5	68.	68.2	67.1
Means.....	60.1	61.2	61.7	62.2	61.8	61.3	61.3	61.3	61.3	61.6	62.	61.9	60.8

	Declination.			Horizontal force.				Vertical force.			
Göttingen time.....	h. m. 13 54	h. m. 14 00	h. m. 14 06	h. m. 13 56	h. m. 14 02	h. m. 14 08	Temperature Fahrenheit.	h. m. 13 58	h. m. 14 04	h. m. 14 10	Temperature Fahrenheit.
Observatory time.....	8 13½	8 19½	8 25½	8 15½	8 21½	8 27½		8 17½	8 23½	8 29½	
Dec. 2.....	550.1	550.4	550.2	1122.7	1120.5	1121.5	55.2	677.9	678.4	678.7	58.7
3.....	550.2	550.2	550.7	1129.3	1130.1	1130.	55.1	679.5	680.3	681.3	58.3
4.....	536.9	537.8	540.6	.....	1124.1	1123.	55.4	668.	669.8	670.1	57.1
5.....	549.3	549.1	549.4	1148.1	1148.6	1150.8	62.1	757.4	756.4	757.	65.1
6.....	542.9	544.	543.9	1150.	1149.	1148.5	63.8	752.	751.5	751.7	64.2
7.....	544.8	544.7	545.	1138.6	1136.9	1139.	59.8	698.8	698.6	698.2	60.
9.....	537.6	537.9	537.9	1155.6	1153.2	1153.6	54.	666.	666.	666.2	58.9
10.....	541.6	541.1	542.	1185.	1186.5	1189 3	55.7	670.1	670.9	671.7	60.6
11.....	535.8	536.7	536.6	1182.6	1183.5	1185.	54.	654.6	652.4	650.7	56.7
12.....	538.6	539.5	539.9	1168.9	1169.1	1169.6	51.7	608.8	607.9	607.7	54.6
13.....	538.2	538.8	539.2	1188.3	1187.4	1187.	56.	661,8	661.8	661.8	58.7
14.....	537.9	537.1	536.5	1179.5	1179.	1180.9	58.1	704.6	703.	702.5	61.2
16.....	533.5	533.5	532.9	1158.8	1160.2	1162.5	44.4	505.7	507.1	508.1	47.
17.....	532.9	532.5	535.	1198.7	1200.9	1199.2	54.	690.	688.3	688.4	59.
18.....	533.4	534.	534.	1180.1	1181.3	1179.	51.2	645.	644.4	642.5	56.
19.....	*532.	531.9	532.6	1183.1	1182.6	1183.	52.	616.4	617.7	617.2	54.5
20.....	532.7	533.3	537.4	1195.7	1196.8	1195.6	52.4	617.1	617.2	617.4	55.4
21.....	532.7	533.3	532.5	1173.3	1173.5	1177.9	49.2	591.9	590.7	589.7	52.
23.....	535.5	536.3	536.1	1224.6	1224.1	1223.2	64.1	793.8	791.6	791.9	66.9
24.....	533.	531.7	533.1	1195.9	1198.7	1196.5	56.5	732.4	729.4	727.7	62.2
25.....	536.6	536.4	536.7	1207.2	1207.5	1208.2	61.	769.2	766.6	765.2	65.
26.....	537.	536.7	537.2	1193.1	1192.4	1193.	59.8	705.8	706.1	706.9	63.9
.....	536.7	537.4	537.9	1223.5	1223.5	1223.2	66.8	807.5	807.	806.4	69.3
.....	536.3	536.2	537.2	1227.5	1225.2	1223.3	54.	680.5	682.2	683.5	61.4

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

TERM DAY MAGNETIC OBSERVATIONS,

FROM JANUARY TO JULY, 1844.

GENERAL NOTE.

No special note is required of the records which follow.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	557.9	558.8	559.9	560.	558.6	559.1	568.7	564.8	569.	567.8	562.1	566.5	19 30
6	558.3	559.6	558.9	559.5	559.	558.7	568.4	567.5	569.8	563.6	563.	565.2	25 30
12	558.7	558.8	559.8	559.1	559.3	560.3	567.6	568.6	572.5	559.9	564.2	565.3	31 30
18	558.	559.4	558.3	558.9	559.6	560.7	562.3	562.8	570.5	561.5	566.5	564.5	37 30
24	558.2	559.4	558.1	559.5	559.5	560.5	558.	560.5	569.6	564.6	566.8	563.7	43 30
30	558.2	558.5	558.8	559.	560.	561.8	557.	559.6	569.	565.8	567.2	563.1	49 30
36	558.4	558.1	560.3	559.3	557.1	562.5	557.5	558.3	571.5	564.1	567.3	564.	55 30
42	558.8	558.	561.3	559.3	558.2	563.9	560.4	557.6	571.9	565.2	567.3	564.5	1 30
48	558.	559.	561.4	559.2	560.4	566.	563.9	561.4	569.7	566.1	568.	564.5	7 30
54	558.6	560.4	560.6	559.1	559.1	568.	565.	567.2	570.1	564.8	567.4	568.2	13 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	562.4	560.4	562.6	558.4	556.7	554.5	549.2	554.4	552.1	553:2	556.3	557.6	19 30
6	559.7	561.4	561.3	558.3	555.5	554.	550.2	554.5	552.8	553.4	555.8	557.8	25 30
12	558.7	562.6	562.3	557.3	556.6	553.3	551.	554.9	555.3	553.9	555.9	558.1	31 30
18	559.7	564.6	562.6	557.	554.3	552.3	553.2	555.1	553.7	554.9	555.8	557.5	37 30
24	559.7	565.3	563.8	556.7	555.	551.1	552.6	*555.5	553.1	554.8	556.	558.7	43 30
30	558.4	566.2	563.5	555.	554.8	549.6	553 2	553.7	553.6	554.1	556.1	558.1	49 30
36	556.3	566.4	563.2	556.8	552.2	549.	553.	553.2	553.6	553.7	556.7	558.7	55 30
42	555.6	565.8	562.5	557.6	553.4	550.	553.3	553.8	554.1	553.9	556.9	558.7	1 30
48	556.5	564.8	561.4	558.	554.	550.3	554.	554.9	553.6	554.3	557.4	559.1	7 30
54	559.2	563.9	562.5	558.2	555.3	547.8	554.4	554 2	553.6	556.7	557.5	558.5	13 30

* Ten seconds late.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
gn.													m. s.
2	1000.6	1004.8	1007.2	1008.	1014.1	1032.1	1042.2	1048.5	1042.6	1038.7	1031.	1024.4	21 30
8	999.3	1003.5	1006.4	1008.6	1014.8	1035.3	1040.9	1016.9	1045.4	1036.9	1030.9	1021.4	27 30
14	1001.	1005.5	1007.3	1009.2	1011.9	1038.9	1035.9	999.3	1040.9	1040.1	1031.7	1021.5	33 30
20	1002.	1003.2	1012.5	1006.1	1018.4	4034.6	1032.8	1003 5	1036.3	1041.	1030.9	1018.2	39 30
26	1002.3	1006.1	1012.4	1010.5	1017.5	1043.1	1039.7	1009.2	1035.5	1034.	1030.6	1017.7	45 30
32	1003.	1007.5	1007.9	1009.7	1023.2	1045.3	1041.8	1006 7	1033.6	1033.7	1030 6	1017.1	51 30
38	1002.2	1007.5	1006.8	1009.8	1026.9	1045.7	1047.2	1031.7	1033.1	1033.1	1031.5	1014.6	57 30
44	1002.5	1007.5	1003.6	1012.9	1027.1	1050.9	1056.3	1036.8	1031.3	1029.8	1029.3	1012.	3 30
50	1001.8	1008.5	1004.	1012.4	1028.	1049.	1055.2	1040.3	1034.5	1028.	1028.2	1009.5	9 30
56	1003.9	1009.5	1005.8	1012.3	1031.8	1047.3	1056.6	1038.9	1033.9	1029.9	1027 2	1005.1	15 30
Thermometer	63.	64.	63.9	63.5	62.8	62.	60.4	59.2	58.3	57.5	56.1	54.9	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
gn.													m. s.
2	1003.9	993.6	1001.8	997.3	991.4	994.4	988.9	996.	997.8	994.9	987.5	988.9	21 30
8	1003.4	995.7	1001.3	992.6	993.2	991.4	989.4	997.9	997.6	995.4	988 7	984.1	27 30
14	1000.1	995.6	1000.7	991.6	994.8	989.8	990.9	996.	994.9	994.	987.1	984.1	33 30
20	998.1	996.3	999.1	991.3	994.4	990.	991.8	996.5	995.7	993.4	989.	988.	39 30
26	996.4	999.5	999.1	991.2	993.7	986.5	990.8	995.6	995.9	990.4	987.5	984.5	45 30
32	997.5	1001.2	997.1	990.8	993.8	987.5	993.2	997.1	996.2	993.6	987.4	986.9	51 30
38	998.	1004.	997.	993.2	994.	985.4	991.6	996.9	995.5	995.	987.5	981.4	57 30
44	997.2	1004.	998.	989.9	995.5	986.	993.9	997.9	995.	994.4	988.8	980.9	3 30
50	995.7	1004.3	997.5	990.7	995.8	986.2	994.8	996.9	994.8	995.	985.8	980.	9 30
56	994.1	1003.4	995.1	990.8	996.6	984.9	993.8	997.1	991.4	995.6	981.8	979.8	15 30

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.
m.													m. s.
4.....	779.8	786.9	790.8	787 6	781.8	771.5	754.2	733.	730.9	716.3	700.	682.3	.....23 30
10.....	780.3	787.8	790.9	786.3	780.5	770.5	751.8	735.8	728.2	715.4	698.4	681.2	.....29 30
16.....	780.9	788.5	790.	785.9	780 1	769.1	749.1	738.8	726.	713.1	696.4	680.	.....35 30
22.....	782.	789.5	790.	785.4	778.8	768.1	747.	739.5	728.8	712.7	694.5	678.7	.....41 30
28.....	782.6	790.	789.7	785.	778.4	766.1	745.2	739.7	*722.1	711.6	692.4	677.5	.....47 30
34.....	783.3	789.6	789.	781.8	776.3	764.6	743.9	739.3	720.8	709.3	691.4	676.2	.....53 30
40.....	784.	790.6	789.	784.4	775.4	763.1	742.3	738.6	720.2	707.5	689.1	675.2	.....59 30
46.....	785.1	790.9	788.5	783.3	775.4	760.3	738.6	736.9	719.9	705.4	687.8	674.2	..... 5 30
52.....	785.6	790.8	788.4	783.3	774.	759.	736.	735.8	718.9	703.7	685.	673.2	.....11 30
58.....	786.3	791.1	788.1	782.8	772.9	756.	733.6	734.1	718.	702.2	683.7	672.5	.....17 30
Thermometer...	68.5	69.	68.2	67.8	67.	65.8	64.1	62.9	62.4	61.5	60.	59.4	.....Thermometer.

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
4.....	671.5	667.8	647.5	628.1	602.4	576.6	563.6	561.1	559.2	555.8	555.9	547.9	.....23 30
10.....	671.	667.4	647.4	624.4	599.6	573.9	563.2	561.3	558.9	555.2	555.4	548.	.....29 30
16.....	671.1	666.6	643.9	622.1	596.7	571.9	562.6	561.3	558.3	555.3	555.7	549.1	.....35 30
22.....	671.	665.4	612.7	620.2	593.9	570.6	561.8	561.1	557.9	555.3	555.3	549.9	.....41 30
28.....	670.3	664.6	640.9	618.4	591.3	569.2	561.7	560.8	557.5	555.4	555.4	550.6	.....47 30
34.....	670.1	661.9	637.9	616.1	588.	567.6	561.4	560.6	557.9	554.7	555.1	551.6	.....53 30
40.....	668.1	659.8	636.	613.7	585.7	566.9	561.9	560.5	557.	555.4	555 1	552.9	.....59 30
46.....	669.	657.2	634.	611.2	583.3	566.2	561.1	560.4	557.2	555.5	555.2	553.7	..... 5 30
52.....	668.9	654.3	632.2	608 3	580.7	565.6	560.9	559.9	557.	555.6	554.8	554.3	.....11 30
58.....	668.3	651.5	629.4	605.4	578.4	564.7	560.7	559.9	555.9	556.	550.5	555.1	.....17 30
Thermometer...	59.1	58.	56.4	54.	52.6	51.5	51.7	52.	52.	51.5	51.6	51.9	....Thermometer.

* Two minutes soon.

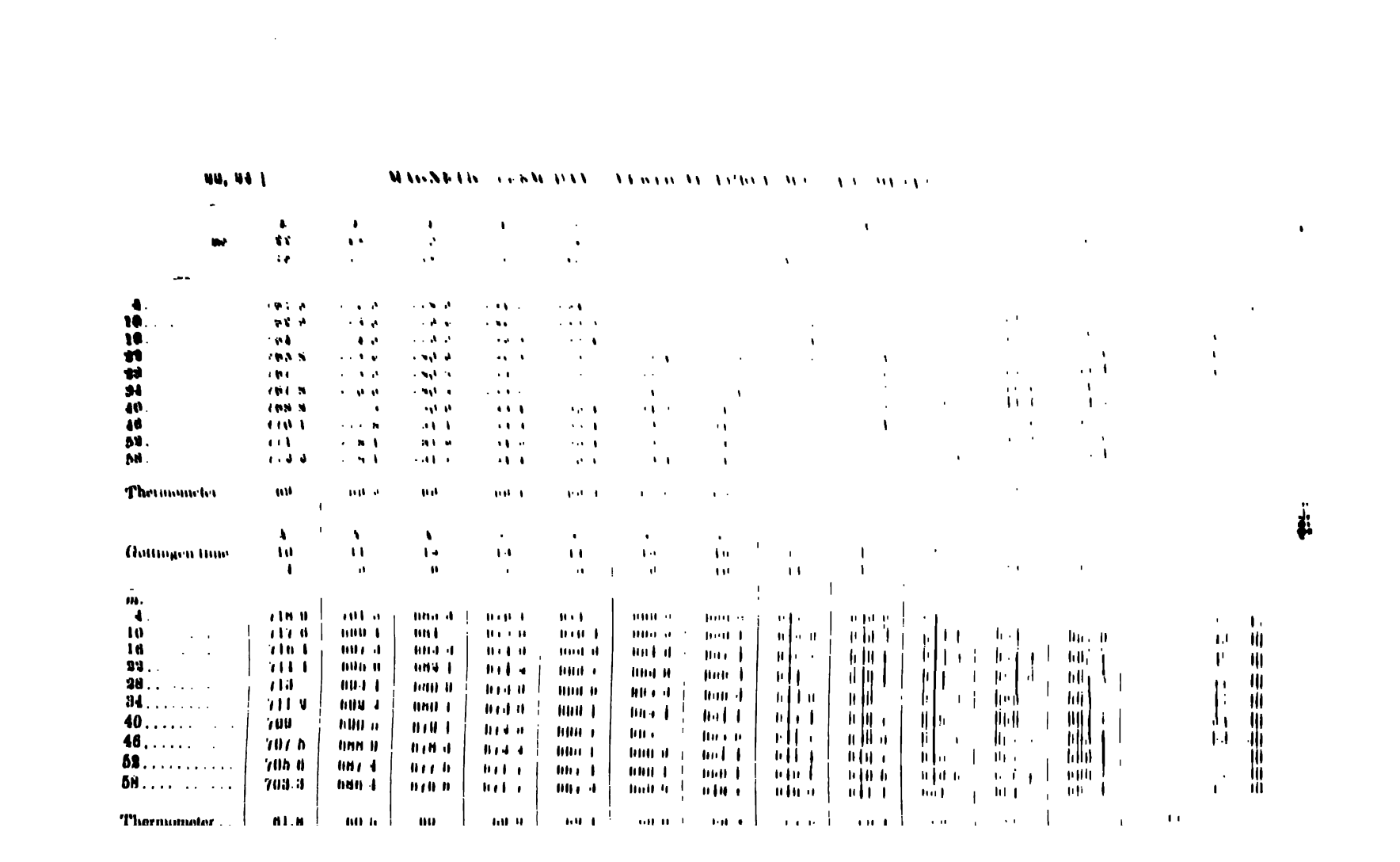
Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time
m.													m. h.
0	556.4	556.6	556.	556.	557.	556.4	557.3	557.6	558.3	558.2	558.0	560.8	19 20
6	556.5	556.6	555.9	555.7	556.8	556.7	558.4	557.8	558.1	560	558.0	560.3	22 20
12	556.5	555.2	555.9	555.9	557.6	556.8	558.5	557.5	558.5	559.5	558.5	561.0	1 21
18	556.5	555.5	556.1	556.2	557.2	557 1	558.	557.9	557.7	559.4	558.7	560.6	4 21
24	556.5	555.5	556.4	556.3	556.5	557.6	557.8	557.9	558.2	560.7	560.0	561 0	7 20
30	556.	555.5	556.8	556.6	556.2	558 4	557.8	558.	558.7	559.6	560.4	560.6	10 20
36	555.9	556.5	556.	556.9	555.8	557.6	558.	557.9	558.6	560.5	560.0	561.0	13 20
42	555.4	556.6	555.7	556.8	556.	557.7	557.8	557.7	558.5	559.9	561.	561 0	16 20
48	555.4	556.6	555.5	556.8	556.2	557.3	558.	558.	558.4	559.3	561.0	561 0	19 20
54	555.1	556.4	556.6	557.3	556.	557.	557.9	558.3	559.0	559.7	561 0	560.8	22 20

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time
m.													m. h.
0	560.9	558.9	562.3	562.9	562.4	560.7	558.9	558.1	561.8	559.0	559.0	557.7	19 20
6	559.7	561.	562.	562.7	561.8	560.5	557.1	558.3	561.8	559.0	558.0	558.3	22 20
12	560.8	560.	562.6	562.4	562.2	560.7	558.8	558.6	561.4	559.4	558.4	557.6	1 21
18	561.5	561.7	562.4	562.4	561.7	560.5	558.6	558.1	561.6	559.5	558.2	557.7	4 21
24	560.4	561.5	562.8	562.9	561.3	560.2	558.6	558.7	561.6	559.4	558.6	557.7	7 20
30	560.2	560.8	562.8	562.9	561.4	559.9	558.5	558.4	561.9	559.4	557.	557.6	10 20
36	560.4	561.6	562.6	562.2	561.5	559.8	558.7	558.1	561.9	559.4	557.	557.8	13 20
42	560.6	562.2	562.7	562.4	560.6	559.	558.2	558.2	561.2	559.4	558.0	557.7	16 20
48	561.6	561.5	562.6	562.	561.4	559.4	558.5	558.3	561.3	559.2	557.7	558.1	19 20
54	560.5	562.1	562.6	562.5	559.8	559.2	558.6	558.6	561.6	559.4	557.7	557.6	22 20

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.
m.													m. s.
2.....	1038.8	1041.8	1040.4	1040.	1041.4	1041.9	1040.5	1038.1	1038.2	1037.1	1031.8	1026.6	.....21 30
8.....	1036.3	1043.1	1040.	1040.2	1041.8	1041.7	1039.7	1039.2	1037.9	1037.9	1030.1	1028.7	.....27 30
14.....	1038.4	1042.1	1040.	1040.4	1040.2	1041.2	1039.6	1037.9	1038.2	1037.5	1033.	1027.6	.....33 30
20.....	1038.9	1042.1	1040.7	1038.6	1041.5	1040.7	1037.7	1037.5	1037.2	1036.4	1031.	1027.2	.....39 30
26.....	1039.1	1039.6	1039.8	1040.1	1040.5	1040.7	1037.7	1035.7	1038.2	1035.5	1030.5	1025.9	.....45 30
32.....	1039.3	1041.5	1037.	1041.5	1041.5	1037.9	1037.1	1037.3	1038.	1034.1	1029.1	1024.6	.....51 30
38.....	1039.9	1043.	1040.	1041.3	1042.3	1040.1	1038.3	1035.2	1035.5	1034.2	1028.7	1024.	.....57 30
44.....	1040.6	1046.9	1039.9	1041.	1042.5	1041.6	1037.	1037.2	1038.9	1033.4	1028.2	1024.2	..... 3 30
50.....	1041.8	1041.9	1039.2	1042.2	1042.2	1040.4	1037.4	1037.3	1035.8	1034.2	1028.6	1026.1	..... 9 30
56.....	1041.2	1040.	1039.9	1040.1	1041.1	1041.3	1036.5	1037.4	1037.5	1033.4	1028.5	1025.8	.....15 30
Thermometer...	65.2	65.9	65.8	65.7	66.1	65.7	65.	64.7	64.	62.	60.4	59.2	.....Thermometer.

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15....	..Observatory time.
m.													m. s.
2.....	1023.6	1021.	1016.5	1019.2	1024.8	1028.2	1026.4	1021.5	1006.8	999.5	999.5	1003.8	.....21 30
8.....	1024.2	1022.6	1017.	1020.9	1023.9	1026.8	1027.8	1020.3	1006.2	997.8	999.	1007.3	.....27 30
14.....	1023.	1020.6	1017.7	1020.1	1023.6	1026.6	1027.5	1021.2	1005.8	1000.9	997.7	1004.8	.....33 30
20.....	1023.8	1020.	1018.4	1023.	1024.1	1027.8	1026.2	1020.5	1005.6	999.1	997.6	1006.9	.....39 30
26.....	1024.3	1020.2	1019.8	1019.9	1024.	*1028.5	1028.8	1014.2	1003.9	1000.9	999.6	1005.	.....45 30
32.....	1027.5	1018.8	1018.6	1021.4	1024.6	1028.2	1024.9	1014.9	1001.	997.5	999.9	1006.1	.....51 30
38.....	1025.2	1018.3	1019.	1020.9	1024.8	1027.1	1023.9	1013.	999.4	999.2	1000.1	1003.	.....57 30
44.....	1024.7	1017.8	1018.5	1023.	1025.6	1026.8	1022.2	1008.6	1002.	998.7	1001.4	1004.9	..... 3 30
50.....	1024.	1018.9	1017.3	1022.9	1026.6	1029.	1022.	1010.8	1000.3	998.8	1001.6	1002.7	..... 9 30
56.....	1024.	1020.3	1019.4	1022.8	1027.3	1027.4	1022.2	1009.2	999.6	996.9	1002.9	1004.5	.....15 30
Thermometer...	57.7	56.4	55.7	55.7	54.9	54.1	53.6	53.2	59.3	54.1	54.5	55.2	.....Thermometer.

* One minute late.



Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	552.3	557.4	560.6	560.9	559.1	557.3	558 2	559.	566.1	563.6	559.	557.4	19 30
6	552.3	557.6	560 6	560.2	558.8	557.1	557.9	559.1	564.9	562.	559.7	556.9	25 30
12	552.2	558.9	560.	560.	558.3	557.8	558 2	559.2	564.	561.4	559.5	555.	31 30
18	553.1	559.9	559.9	560.	558.2	557.5	558.4	560.4	562.6	561.	559.6	555.8	37 30
24	553.8	559.9	559.3	559.8	557.8	557.5	558.2	561.1	564.1	559.4	559.8	554.7	43 30
30	555.1	559.9	559.3	559.2	558.1	557.7	558.5	560.	564.5	559.2	559.5	556.2	49 30
36	555.5	560.1	559.5	559.3	557.7	557.9	558.6	561.6	565.6	559.2	559.4	554.4	55 30
42	555.9	559.9	560.4	559.8	557.9	558.3	558.3	564.7	565.1	559.	560.	555.	1 30
48	556.3	560.1	560 9	559.5	557.6	557.5	558.6	565.8	561.9	558.8	560.	556.5	7 30
54	557.1	560.3	560.9	559.4	558.	557.6	559.	565.	563.	558.	558.8	557.9	13 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	557.2	561.1	565.7	565.1	570.7	570.6	564.8	558.5	553.2	549.8	548.	550.4	19 30
6	557.4	561.1	564.1	567.9	570.4	569.	565.7	557.2	553.5	549.2	548.2	550.3	25 30
12	558.	562.4	565.2	566.8	571.1	569.5	563.8	557.8	552.1	549.5	547.9	551.1	31 30
18	559.1	561.5	566.1	566.7	571.	568.7	563.4	557.3	551.4	549.2	548.8	551.	37 30
24	559.4	560.4	563.4	566.4	571.6	568.2	562.8	554.1	551.	548.6	549.	551.4	43 30
30	559.5	563.1	565.6	566.7	572.3	566.	561.9	556 3	551.	549.	548.9	551.5	49 30
36	559.8	562.9	565.9	572.5	571.3	565.6	560 2	554.9	549.8	548.7	549.1	551.7	55 30
42	559.1	564.9	565.5	569.8	571.	565.7	560.	554.8	549.9	548.4	550.	552.3	1 30
48	559.7	565.2	566.2	571.4	571.2	566.4	559.7	553.8	549.5	548.5	549.8	549.9	7 30
54	560.6	564.5	566.3	569.7	570 9	565.6	559.3	554.2	549.8	547.9	551.1	550.4	13 30

m.	A. 22 16	A. 23 17	A. 0 18	A. 1 19	A. 2 20	A. 3 21	A. 4 22	A. 5 23	A. 6 0	A. 7 1	A. 8 2	A. 9 3	Observatory time. m.	s.
2	1037.6	1043.4	1014.6	1039.4	1039.9	1040.6	1041.6	1042.9	1039	1050.4	1046.7	1047.6	21	30
8	1040.	1042.6	1042.6	1038.2	1039.5	1040 7	1041.4	1043.2	1036.6	1053.7	1046.5	1047.5	27	30
14	1042.3	1043.	1041.6	1011.2	1040 9	1041.4	1042.6	1043.8	1039.	1054 4	1046 8	1045.7	33	30
20	1046.4	1040.5	1040.4	1038.6	1040.6	1040.6	1042.5	1042.5	1043.2	1053 4	1046.1	1041 8	39	30
26	1045.6	1041.4	1038.2	1038.8	1040.7	1040.2	1041.8	1044 6	1014.5	1052.1	1747 2	1040.5	45	30
32	1043.2	1044.4	1038.8	1010.8	1040.6	1039.4	1012.4	1043.5	1045.7	1049.5	1048.5	1039.5	51	30
38	1040.9	1044.3	1039.4	1048 8	1040.2	1039 4	1012.7	1040.2	1015.	1048.2	1048 1	1039.4	57	30
44	1042 5	1042.9	1040.	1039.8	1038.	1040.7	1042.5	1039.4	1017.2	1048.2	1048 4	1037.6	3	30
50	1042.3	1045.1	1038.9	1039.5	1040.5	1042	1044.2	1039.	1048.2	1046.9	1017.4	1036.6	9	30
56	1042.1	1046.4	1039.4	1039.9	1040.7	1011.5	1044 6	1037.4	1049.8	1016 9	1017.5	1035.8	15	30
Thermometer	61.1	62.5	64.2	65.5	65.8	65.8	66.1	66.8	67.2	66.1	65.	64.3	Thermometer.	

Göttingen time.	A. 10 4	A. 11 5	A. 12 6	A. 13 7	A. 14 8	A. 15 9	A 16 10	A. 17 11	A. 18 12	A. 19 13	A. 20 14	A. 21 15.	Observatory time. m.	s.
2	1036.	1036.	1033.7	1036.1	1036.1	1040.4	1046.3	1050.	1044.8	1035.1	1037.7	1033.6	21	30
8	1035.6	1036.1	1036.1	1036.9	1036.2	1040.2	1044.3	1050.1	1044.7	1034.7	1038.9	1034 1	27	30
14	1035.8	1035.4	1034.6	1036.5	1036.2	1041.8	1046.1	1050.7	1043.6	1034.9	1036.8	1033.2	33	30
20	1035.	1034.1	1037.2	1036.6	1038.3	1040.9	1045.9	1052.	1040.8	1032.7	1035.5	1033.2	39	30
26	1031.7	1034.	1037.3	1036.1	1038.6	1041.2	1046.3	1054.3	1040.7	1031.4	1026.	1025.7	45	30
32	1034.2	1031.7	1037.2	1035.5	1037.7	1043.6	1049.	1054.1	1042.4	1033.2	1036.5	1033 3	51	30
38	1034.5	1029.5	1038.	1034.3	1038.7	1043.	1048.5	1051.8	1042.7	1033.2	1018.	1031.9	57	30
44	1033 5	1032.9	1039.2	1031.9	1038.7	1045.	1049.7	1050.3	1040.2	1031.6	1027.	1031.5	3	30
50	1034.7	1032.7	1038.1	1036.5	1039.2	1044.6	1049.7	1049.	1040.9	1028.6	1025.6	1031.9	9	30
56	1035.7	1033.5	1035.9	1035.2	1039.0	1044.8	1049.6	1047.6	1039.1	1027.5	1034.3	1023.5	15	30

1962

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
4	711.9	726.6	753.2	781.5	798.6	803.9	808.1	816.9	832.7	834.6	821.	812.4	23 30
10	713.	729.3	756.5	783.8	799.9	801.2	809.	818.4	834.8	832.8	820.	812.2	29 30
16	714.1	732.1	759.1	785.6	801.3	804.4	809.3	820.	836.6	831.2	818 7	811.7	35 30
22	715.5	733.9	762.	788.1	802 2	804.8	809.7	821.6	838.6	829.6	817.7	812.	41 30
28	716.9	736.9	765.	789.9	802.7	805.2	810.4	822.9	839.4	828.	816.6	811.7	47 30
34	717.5	739.2	768.	791.3	802 9	805.7	810.9	824.7	840.	826.7	815.6	811.2	53 30
40	719.	742.	771 1	793.4	803.4	806.4	811.9	826.7	839.7	825.3	814.9	811.1	59 30
46	721.2	744.9	774.7	794.5	803.5	806.4	812.7	828.7	838.2	823.8	814.1	810.8	5 30
52	722.5	747.8	776 9	796.2	804.6	806.9	814.1	830.3	837.1	822 8	813.6	810.5	11 30
58	724.2	750.4	779 2	797.7	803.7	807.5	815.4	831.7	836.	821.7	812.6	809.6	17 30
Thermometer	64.5	66.3	68.4	69.4	69.8	69.9	70.6	71.7	72.	70.3	69.6	69.5	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
4	809.8	801.2	788.3	765.3	745.	726.1	707.8	687.8	666.1	660.8	659.	654.	23 30
10	809.4	800.	786.	762.9	742.9	721.1	705.8	685.1	665.	660.8	658.7	653.9	29 30
16	808.7	798.5	785.3	761.1	740.6	722.3	704.2	683.2	664.	660.3	658.5	652.4	35 30
22	808.1	797.	787.9	758.7	739.3	720.7	701.6	680.6	662.3	660.1	658.	652.1	41 30
28	807.3	795.6	781.1	756.9	737.7	717.3	700.2	678.7	661.9	660.2	657.5	651.7	47 30
34	805.9	794.6	778.1	754.8	735.5	714 7	698.7	675.6	661.2	660.	657.	651.4	53 30
40	805.5	793.3	775.8	753.3	734.	713.6	696.1	673.5	661.	660.	656.4	651.3	59 30
46	803.8	792.5	772.4	750.9	732.4	711.8	694.4	671.	661.	659.9	656.	651.2	5 30
52	802.6	791.4	770.6	748.9	730.5	710.7	692 3	669.3	660.6	659.5	655.1	651.	11 30
58	802.1	789.8	768.4	746 6	728.3	709.	690.	667.9	660.9	659.	654.6	650.1	17 30
Thermometer	69.2	68.4	66.6	64.7	63.7	62.3	60.7	59.5	59.5	60.1	59.8	59.3	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
2	1037.6	1043.4	1014.6	1039.4	1039.9	1040.6	1041.6	1042.9	1039.	1050.4	1046.7	1047.6	21 30
8	1040.	1042.6	1042.6	1038.2	1039.5	1040.7	1041.4	1043.2	1036.6	1053.7	1046.5	1047.5	27 30
14	1042.3	1043.	1041.8	1011.2	1040 9	1041.4	1042.6	1043.8	1039.	1054.4	1046.8	1045.7	33 30
20	1046.4	1040.5	1040.4	1038.6	1040.6	1040.6	1042.5	1042.5	1043.2	1053.4	1046.1	1043 8	39 30
26	1045.6	1041.4	1038.2	1038.8	1040.7	1040.2	1041.8	1044.6	1044.5	1052.1	1747 2	1040.5	45 30
32	1043.2	1044.4	1039.8	1040.8	1040.6	1039.4	1042.4	1043.5	1045.7	1049.5	1048.5	1039.5	51 30
38	1040.9	1044.3	1039.4	1038.8	1040.2	1039 4	1042.7	1040.2	1045.	1048.2	1048 1	1039.4	57 30
44	1042 5	1042.9	1040.	1039.8	1038.	1040.7	1042.5	1039.4	1047.2	1048.2	1048.4	1037.6	3 30
50	1042.3	1045.1	1038.9	1039.5	1040.5	1042.	1044.2	1039.	1048.2	1046.9	1047.4	1036.6	9 30
56	1042.1	1046.4	1039.4	1039.9	1040.7	1011.5	1044.6	1037.4	1049.8	1046.9	1017.5	1036.8	15 30
Thermometer	61.1	62.5	64.2	65.5	65.8	65.8	66.1	66.8	67.2	66.1	65.	64.3	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
2	1036.	1036.	1033.7	1036.1	1036.1	1040.4	1046.3	1050.	1044.8	1035.1	1027.7	1023.6	21 30
8	1035.6	1036.1	1035.1	1036.9	1036.2	1040.2	1044.2	1050.1	1044.7	1034.7	1028.2	1024 1	27 30
14	1035.8	1036.4	1034.6	1036.5	1036.2	1041.8	1046.1	1050.7	1043.6	1034.2	1026.8	1023.2	33 30
20	1035.	1034.1	1037.2	1036.6	1038.3	1040.9	1045.9	1052.	1040.8	1032.7	1025.5	1023.2	39 30
26	1031.7	1034.	1037.3	1036.1	1038.6	1041.2	1046.3	1054.3	1040.7	1031.4	1026.	1025.7	45 30
32	1034.2	1031.7	1037.2	1035.5	1037.7	1043.6	1049.	1054.1	1042.4	1032.2	1026.5	1022.3	51 30
38	1034.5	1029.5	1038.	1034.3	1038.7	1043.	1048.5	1051.8	1042.7	1033.2	1028.	1021.9	57 30
44	1033 5	1032.9	1039.2	1035.9	1038.7	1045.	1049.7	1050.3	1040.2	1031.6	1027.	1021.5	3 30
50	1034.7	1032.7	1038.1	1036.5	1039.2	1044.6	1049.7	1049.	1040.9	1028.6	1025.6	1021.9	9 30
56	1035.7	1033.5	1035.9	1035.2	1039.0	1044.3	1049.6	1047.6	1039.1	1027.5	1024.3	1023.5	15 30

[97]

1962

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
4	711.9	726.6	753.2	781.5	798.6	803.9	808.1	816.9	832.7	834.6	821.	812.4	23 30
10	713.	729.3	756.5	783.8	799.9	804.2	809.	818.4	834.8	832.8	820.	812.2	29 30
16	714.1	732.1	759.1	785.6	801.3	804.4	809.3	820.	836.6	831.2	818 7	811.7	35 30
22	715.5	733.9	762.	788.1	802 2	804.8	809.7	821.6	838.6	829.6	817.7	812.	41 30
28	716.9	736.9	765.	789.9	802.7	805.2	810.4	822.9	839.4	828.	816.6	811.7	47 30
34	717.5	739.2	768.	791.3	802 9	805.7	810.9	824.7	840.	826.7	815.6	811.2	53 30
40	719.	742.	771 1	793.4	803.4	806.4	811.9	826.7	839.7	825.3	814.9	811.1	59 30
46	721.2	744.9	774.7	794.5	803.5	806.4	812.7	828.7	838.2	823.8	814.1	810.8	5 30
52	722.5	747.8	776 9	796.2	804.6	806.9	814.1	830.3	837.1	822 8	813.6	810.5	11 30
58	724.2	750.4	779 2	797.7	803.7	807.5	815.4	831.7	836.	821.7	812.6	809.6	17 30
Thermometer	64.5	66.3	68.4	69.4	69.8	69.9	70.6	71.7	72.	70.3	69.6	69.5	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
4	809.8	801.2	788.3	765.3	745.	726.1	707.8	687.8	666.1	660.8	659.	654.	23 30
10	809.4	800.	786.	762.9	742.9	721.1	705.8	685.1	665.	660.8	658.7	653.9	29 30
16	808.7	798.5	785.3	761.1	740.6	722.3	704.2	683.2	664.	660.3	658.5	652.4	35 30
22	808.1	797.	787.3	758.7	739.3	720.7	701.6	680.6	662.3	660.1	658.	652.1	41 30
28	807.3	795.6	781.1	756.9	737.7	717.3	700.2	678.7	661.9	660.2	657.5	651.7	47 30
34	805.9	794.6	778.1	754.8	735.5	714 7	698.7	675.6	661.2	660.	657.	651.4	53 30
40	805.5	793.3	775.8	753.3	734.	718.6	696.1	673.5	661.	660.	656.4	651.3	59 30
46	803.8	792.5	772.4	750.9	732.4	711.8	694.4	671.	661.	659.9	656.	651.2	5 30
52	802.6	791.4	770.6	748.9	730.5	710.7	692 3	669.3	660.6	659.5	655.1	651.	11 30
58	802.1	789.8	768.4	746 6	728.3	709.	690.	667.9	660.9	659.	654.6	650.1	17 30
Thermometer	69.2	68.4	66.6	64.7	63.7	62.3	60.7	59.5	59.5	60.1	59.8	59.3	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	550.1	550.7	551.1	550.8	550.7	549.7	550.2	558.4	547.4	554.1	551.6	553.9	19 30
6	550.5	550.7	551.	550.1	550.8	549.9	550.4	558.9	547.1	554.1	551.3	553.	25 30
12	550.2	551.2	550.9	550.	550.4	549.6	550.4	558.8	548.9	554.	551.4	553.1	31 30
18	550.5	551.	550.7	550.1	550.3	549.9	550.	558.	550.1	554.	551.6	552.7	37 30
24	550.6	551.	551.3	550.1	550.4	550.	550.4	556.1	551.2	553.8	551.1	552.7	43 30
30	551.3	551.2	551.7	551.	550.2	549.9	550.3	555.	552.5	553.4	551.	553.8	49 30
36	550.9	551.1	551.3	550.6	549.8	550.8	550.4	554.7	553.8	553.2	551.6	553.5	55 30
42	549.8	551.2	551.8	550.3	549.4	550.6	551.5	554.6	554.6	553.3	551.3	554.7	1 30
48	550.6	551.2	551.7	550.2	549.4	550.4	553.7	552.7	554.2	552.7	551.6	555.	7 30
54	550.8	551.1	551.9	550.4	549.4	550.4	556.8	549.3	554.2	552.5	552.6	555.4	13 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	555.6	555.8	554.2	556.6	548.5	541.2	541.3	545.5	541.3	535.9	541.3	541.7	19 30
6	556.3	556.	554.1	555.9	547.8	541.2	543.2	545.2	541.9	536.4	539.7	542.3	25 30
12	557.5	555.2	554.4	555.9	547.5	539.5	545.1	545.7	542.1	535.3	539.3	541.9	31 30
18	557.4	555.2	554.1	556.6	542.6	539.3	548.	545.4	541.7	535.3	538.9	541.9	37 30
24	557.9	554.8	554 9	557.6	540.2	540.7	548.9	545.4	539.5	531.5	538.7	541.6	43 30
30	557.6	556.3	555.1	558.1	540.	540.	547.3	544.9	540.4	534.9	539.6	541.4	49 30
36	557.4	556.	557.2	558.	539.5	*540.9	547 2	544.6	540.5	535.3	540.2	542.2	55 30
42	557.2	554.6	557.2	553.5	539.7	541.4	547.3	542.	540.1	535.3	540.	541.9	1 30
48	557.5	554.1	556.1	551.8	539.2	540.5	546.7	540.4	537.5	534.1	540.9	542.2	7 30
54	556.9	554.	556.	549.6	540.	541.9	545.2	539.7	535.7	537.2	541.5	542.4	13 30

Göttingen time....	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
2	1070.5	1069.4	1072.4	1081.1	1083.5	1082.2	1082.1	1079.5	1086.6	1076.6	1075.3	1067.7	.....21 30
8	1069.9	1071.1	1073.5	1082.	1082.3	1082.6	1082.5	1079.5	1085.7	1075.6	1074.6	1067.7	.....27 30
14	1069.3	1073.5	1075.1	1082.1	1082.2	1083.	1082.8	1080.5	1082.8	1075.7	1073.7	1067.1	.....33 30
20	1070.1	1072.1	1075.8	*1081.7	1082.	1082.9	1082.9	1081.2	1078.7	1076.	1072.6	1066.7	.....39 30
26	1068.6	1072.8	1076.7	1081.1	1083.1	1082.9	1082.9	1083.	1075.7	1076.6	1072.5	1066.7	.....45 30
32	1068.8	1074.7	1077.2	1079.9	1082.2	1081.8	1083.3	1085.	1077.9	1076.6	1072.5	1067.	.....51 30
38	1069.1	1074.5	1078.6	1080.1	1083.2	1080.2	1083.1	1086.3	1077.6	1076.6	1071.5	1067.1	.....57 30
44	1068.9	1073.3	1079.8	1080.	1084.	1080.5	1083.	1086.8	1077.9	1077.1	1069.5	1067.1	..... 3 30
50	1069.6	1072.2	1080.6	1081.	1083.6	1081.5	1082.8	1087.9	1077.1	1076.6	1068.5	1066.4	..... 9 30
56	1069.9	1072.9	1080.5	1082.8	1083.	1082.1	1082.	1087.7	1077.3	1075.6	1068.	1066.3	.....15 30
Thermometer...	72.6	73.6	74.1	74.3	74.3	74.1	73.9	73.5	72.9	72.3	71.6	70.9	.... Thermometer.

Göttingen time....	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
2	1067.1	1064.6	1058.4	1066.5	1080.8	1077.3	1053.1	1063.8	1075.5	1091.1	1094.1	1076.2	.....21 30
8	1067.5	1063.7	1057.8	1068.4	1086.9	1067 2	1053.	1065.8	1070.2	1095.8	1091.	1072.4	.....27 30
14	1066.8	1066.	1057.1	1070.3	1093.6	1059.4	1053.3	1067.1	1060.4	1095.9	1091.4	1071.6	.....33 30
20	1067.7	1064.1	1058.2	1076.5	1095.1	1054.5	1051.7	1071.3	1065.9	1098.3	1091.1	1072.5	.....39 30
26	1069.1	1062.9	1056.8	1081.	1093.1	1050.7	1054.	1076.4	1068 3	1098.6	1090.	1072.2	.....45 30
32	1067.1	1060.2	1056.	1083.9	1092.	1050.6	1057.	1077 5	1065.7	1106.7	1089.2	1072.	.....51 30
38	1065.7	1061.	1055.4	1090.7	1087.2	1056.5	1057.3	1080.1	1066.4	1098 6	1088.	1071.3	.....57 30
44	1064.8	1061.1	1058.3	1086.2	1085.5	1058.3	1058.3	1082.4	1077.6	1101.1	1087.1	1071.5	..... 3 30
50	1064.6	1060.2	1059.4	1079.7	1082.1	1055.3	1060.	1084.	1085 8	1096.3	1083.8	1073.1	..... 9 30
56	1065.2	1060.4	1061.8	1071.6	1080.7	1052 2	1063.5	1081.9	1090.2	1094.6	1078.6	1072.4	.....15 30
Thermometer...	70.1	69.8	69.4	69.	68.3	67.8	67.6	67.4	67.7	67.9	68.3	69.2	.... Thermometer.

* Ten seconds late.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h 1 19	h. 2 20	h 3 21	h. 4 22	h 5 23	h. 6 0	7 1	h 8 2	h 9 3	Observatory time
m.													m. s.
4	816.8	833.1	847.3	856.1	861.2	863.0	864.9	864.9	862.8	860.2	851.3	816.7	23 30
10	818	835.	847.9	856.9	861.4	863.0	864.7	865	86.9	859.9	852.8	816.1	29 30
16	820.	836.6	849.9	857.1	861.9	863.7	865.8	865	861	859.2	852	816.7	35 30
22	822.3	837.9	850.9	858.1	862	863.9	864.9	864.9	863	859	851.1	811.6	41 30
28	823.1	839.9	852.2	858.5	862.6	863.9	864.8	864.9	864	854.1	850.6	814	47 30
34	825.5	841.	852.8	859.6	862.6	863.7	864.8	864.1	862.8	857.3	850	813.6	53 30
40	827.2	842.2	853.7	860.1	862.9	864.	864.6	864	862.1	856.8	849.1	813	59 30
46	828.6	843.4	854.8	860.3	863.2	864	864	863.6	862.1	856	848.6	812.3	6 30
52	830.2	845.	855.2	860.9	863.6	863.9	864.3	862.8	861.6	855	848	811.7	11 30
58	831.8	845.9	856.7	861.3	863.6	864.3	864.8	862.9	861	854.1	847.6	810.7	17 30
Thermometer	73.1	73.8	74.3	74.5	74.8	74.6	74.5	74.2	73.6	73	72.6	72	Thermometer

Göttingen time	h 10 4	h 11 5	h 12 6	h 13 7	h 14 8	h 15 9	h 16 10	h 17 11	h 18 12	h 19 13	h 20 14	h 21 15	Observatory time
m.													m. s.
4	810.5	832.9	826.9	822.1	813.8	810.4	805.2	801.3	801.8	798.8	793.6	805.4	23 30
10	839.5	832.4	826.1	821.6	814.5	809.4	805	800.6	800.0	797.9	794.0	805.	29 30
16	839.1	831.5	825.9	821.1	813.5	809.1	804.6	802.1	800.3	797	796.1	801.8	35 30
22	838	830.9	825.7	821.	813.2	809.	803.9	801.8	799.9	795.5	799.1	804.4	41 30
28	837.3	830.5	824.9	820.2	813.	808.7	803.1	801.4	799.8	797.2	801.1	804.2	47 30
34	836.3	829.7	825.	819.1	813.2	808.1	802.8	801.7	799.5	792.7	802.7	805.2	53 30
40	835.8	829.	824.5	817.1	813.1	807.7	803.3	802.1	798.8	791.4	804.7	805.6	59 30
46	834.8	828.3	823.7	816	812.7	807.2	801.9	801.5	798.8	790.6	805.6	806.2	6 30
52	833.8	828.	823.1	815.6	812.7	806.5	801.4	801.5	799.2	791.2	806	807.6	11 30
58	832.4	827.5	823.1	814	811.2	805.4	801.4	801.3	799.2	792.7	805.6	808.2	17 30

Göttingen time.	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
0	550.5	545.1	544.5	542.1	544.2	552.6	543.4	546.3	543.9	546.8	540.	543.1	19	30
6	552.	545.9	544.4	541.7	545.3	551.9	545.7	545.5	544.5	547.2	540.5	545.4	25	30
12	551.2	546.2	545.4	543.3	546.2	546.4	546.6	545.5	544.7	546.	541.5	545.	31	30
18	549.9	546.6	549.5	546.8	550.9	543.7	546.5	546.1	545.	545.2	543.1	544.8	37	30
24	548.4	546.7	564.	549.2	551.6	542.1	546.1	546.6	544.8	544.4	543.7	545 1	43	30
30	548.	545.8	560.	548.3	549.	543.	547.9	546.	545.2	544.	544.	546.	49	30
36	548.3	541.9	553.6	547.7	547.8	543.4	547.	545.5	546.	543.8	543.9	547.	55	30
42	548.	545.6	549.3	545.1	546.3	542.7	545.8	545.4	546.3	544.5	544.2	547.1	1	30
48	546.1	544.3	545.3	545.1	547.7	543.4	545.	544.1	547.1	543.8	544.	546.9	7	30
54	545.2	544.5	542.1	544.7	550.8	542.6	545.5	543.3	546.2	541.7	544.2	547.5	13	30

Göttingen time.	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
0	548.3	552.4	555.	556.1	554.3	550.7	547.2	543.3	538.5	537.9	540.4	540.6	19	30
6	548.4	552.4	554.1	556.3	554.1	550.3	546.6	542.8	538.2	536.6	540.1	540.6	25	30
12	547.9	552.9	554.4	556.	555.1	550.2	547.4	542.4	539.	537.	540.4	542.5	31	30
18	549.3	554.	555.4	557.1	552.1	549.8	546.4	541.7	538.4	538.7	540.5	546.3	37	30
24	550.	553 8	555.2	556.6	551.3	549.1	545.	540.9	537.4	538.2	539.8	546.4	43	30
30	550.9	553.5	556.	557.9	551.	549.5	545.	540.9	537.5	538.	541.	546.9	49	30
36	551.2	553.	556.3	556.9	550.8	549.3	544.7	540.3	537.	538.9	542.5	547.5	55	30
42	552.	553.3	555.3	556.3	550.3	547.5	544.6	540.9	537.7	540.7	542.3	547.7	1	30
48	551.1	553.9	554.5	556.3	550.1	547.4	544.6	539.9	538.3	539.7	542.2	547.6	7	30
54	551.6	553.7	555.2	554.8	550.1	547.2	544.1	537.7	538.3	540.6	541.7	546.8	13	30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
4	853.7	865.9	879.6	889.4	890.8	890.1	889.3	879.1	872.7	863.4	853.3	845.7	23 30
10	854.4	866.6	881.3	889.5	890.8	889.9	888.3	878.2	871.3	862.6	851.8	844.9	29 30
16	855.	868.2	882.4	890.	891.	889.8	887.9	877.4	871.	861.2	851.2	844.	35 30
22	856.3	868.7	885.	890.7	890.9	890.5	886.8	877.	869.8	860.6	851.	843.5	41 30
28	857.9	870.2	885.6	890.5	890.5	890.3	885.9	876.2	869.	859.8	850.	843.	47 30
34	859.1	872.	886.2	890.7	890.	890.9	884.9	875.2	867.7	858.2	849.	842.	53 30
40	860.5	873.2	887.4	890.6	889.9	891.5	883.8	874.7	867.3	857.6	848.2	841.3	59 30
46	861.8	874.9	887.3	890.7	889.8	891.2	882.2	874.	866.5	857.	847.7	840.2	5 30
52	863.7	876.7	888.	890.3	890.	890.8	881.1	873.5	865.4	855.4	847.	839.1	11 30
58	865.	877.3	888.9	890.8	890.	889.8	880.2	873.4	864.2	854.8	845.	838.1	17 30
Thermometer	76.3	77.2	77.6	77.1	76.9	76.5	75.8	75.	74.2	73.5	72.9	72.3	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
4	857.2	849.8	822.7	820.2	818.8	823.7	827.	835.	848.	860.4	877.1	890.5	23 30
10	853.6	828.8	822.1	819.8	818.9	824.1	827.9	835.6	849.	862.4	878.3	892.5	29 30
16	835.9	827.9	822.1	820.	819.2	825.8	828.2	837.	850.	864.8	879.9	893.5	35 30
22	834.9	829.2	822.	819.2	819.8	825.	829.3	837.6	850.8	865.4	881.2	894.	41 30
28	834.1	826.	821.7	819.	820.1	825.3	829.7	838.2	852.2	867.6	882.8	895.2	47 30
34	833.1	825.1	821.3	818.6	820.6	825.	830.	840.8	854.4	868.9	884.2	896.	53 30
40	832.6	824.4	841.1	818.5	821.1	825.7	830.8	842.	855.3	870.2	885.5	896.3	59 30
46	831.8	824.1	820.8	818.3	821.7	825.3	831.3	843.7	856.9	871.8	886.6	896.7	5 30
52	831.2	822.9	820.4	818.4	822.1	826.1	832.9	845.2	858.3	873.5	887.6	897.5	11 30
58	830.7	822.8	820.3	818.4	823.5	826.8	833.8	846.4	859.4	874.8	888.3	898.4	17 30
Thermometer	71.8	71.1	71.	71.1	71.5	72.2	73.3	74.6	75.7	77.	77.9	78.3	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	540.2	545.7	546.6	546.9	546.1	547.3	546.4	548.4	549.6	549.5	549.7	551.3	19 30
6	540.9	545.3	547.	547.3	547.2	546 3	545.6	548.2	548.3	550 3	550.	551.1	25 30
12	541.6	545.9	547.1	546.5	547.2	545.9	545.3	547.6	548 4	550.5	550.1	551.	31 30
18	542.3	545.9	546.8	545.9	545.9	546.9	545.6	547.	549.8	549.9	550 7	551.8	37 30
24	543.5	545.8	547.1	547.1	546.	545.7	546.2	547 3	548 9	550.	549.8	551 4	43 30
30	544.	545.7	546 3	546.2	546.	544.4	547.1	547.4	550 2	550.4	550.	551.3	49 30
36	544.9	546.1	547.6	545.5	545.1	543.8	547.8	547.6	548.8	550.7	550.7	551.3	55 30
42	542.7	546.	547.9	546.	546.	544.5	548.	547 6	548.7	549.9	550.5	550.9	1 30
48	544.4	546.	548.	545.1	545.5	546.1	547.6	547.8	548 1	550.4	5\0.6	551.5	7 30
54	545.	546.6	547.5	544.8	546 9	546.4	547.6	547.9	548.8	550.1	550.9	551.9	13 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	553.9	555.7	558.	557.7	557.6	553.4	546.	541.	535.7	536.1	537.5	540.	19 30
6	553.8	555.	559.4	558.5	556.7	553.2	545.1	540.8	535.2	535.9	537.3	538.9	25 30
12	553.7	556.1	559.	558.6	557.3	553.3	544.9	540.5	535.2	536.1	536.5	538.4	31 30
18	554.1	556.1	559.7	557.	556.8	552.2	544.7	539 1	534.4	536.5	536.3	539.6	37 30
24	554.	556.9	560.	556.8	556.2	551.	544.7	539.2	534.6	534.3	538.9	543.1	43 30
30	553 7	557.	560.1	557.5	556.6	550 4	544.7	538.9	533.5	536.	539.	541.8	49 30
36	554.7	557.	559.	557.9	555.4	549.4	543.7	538.3	533.2	537.	537.7	541.	55 30
42	555.	557.5	558.4	557.9	554.5	548.5	544.4	537.9	534.7	537.	537.5	543.9	1 30
48	555.5	557.8	560.3	558.1	554.6	547.0	543.6	537.4	534.8	536.5	537.6	544.4	7 30
54	554.7	557.2	559.6	557.5	554.	546.7	543.2	538.1	533.8	536.1	537.6	545.1	13 30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time	
m.													m.	s.
2	1121.1	1119.7	1121.	1128.8	1128.8	1128.1	1125.2	1125.5	1128.6	1123.4	1118.5	1117.8	21	30
8	1124.	1119.5	1121.4	1128.5	1127.2	1130.3	1125.2	1126.	1128.9	1123.1	1119.2	1117.8	27	30
14	1121.2	1119.5	1122.5	1127.3	1127.6	1130.5	1126.8	1126.7	1128.	1122.1	1119.9	1117.9	33	30
20	1119.	1121.5	1125.	1127.9	1128.5	1125.	1128.9	1126.4	1127.5	1121.3	1119.2	1118.7	39	30
26	1116.9	1120.6	1124.	1126.1	1127.5	1128.8	1129.9	1126.3	1126.3	1121.	1118.9	1118.	45	30
32	1115.8	1121.8	1124.3	1127.4	1130.1	1125.7	1130.9	1126.3	1127.1	1120.8	1118.7	1117.2	51	30
38	1115.9	1121.5	1124.	1128.2	1130.5	1126.8	1131.9	1127.1	1127.	1121.1	1118.2	1116.5	57	30
44	1117.7	1122.2	1122.7	1129.6	1129.1	1125.6	1130.4	1127.7	1126.	1121.2	1118.	1115.7	3	30
50	1119.3	1120.8	1123.7	1130.2	1128.4	1126.9	1128.4	1128.6	1125.	1121.	1118.2	1115.6	9	30
56	1120.2	1121.	1126.2	1131.5	1126.8	1126.5	1126.3	1129.8	1124.2	1119.9	1118.	1115.3	15	30
Thermometer	85.3	85.1	85.	84.8	84.2	83.7	83.1	82.6	81.3	79.6	79.	78.6	Thermometer	

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time	
m.													m.	s.
2	1115.3	1111.1	1112.3	1118.5	1118.2	1128.	1126.9	1123.6	1121.	1112.	1095.	1100.2	21	30
8	1115.2	1110.9	1112.1	1117.2	1118.1	1127.5	1125.5	1123.3	1117.7	1110.5	1108.	1104.	27	30
14	1114.1	1110.4	1112.1	1118.1	1118.5	1127.8	1125.1	1123.7	1116.4	1106.7	1108.4	1106.9	33	30
20	1113.9	1110.7	1112.1	1118.8	1118.4	1127.8	1123.	1123.	1114.6	1107.9	1106.2	1106.4	39	30
26	1113.1	1110.1	1113.	1118.7	1119.8	1128.7	1122.2	1121.7	1113.3	1105.5	1100.2	1105.8	45	30
32	1111.8	1110.9	1112.3	1117.	1121.2	1128.4	1121.9	1122.7	1111.	1106.6	1100.2	1100.5	51	30
38	1112.5	1110.8	1113.3	1117.1	1121.3	1128.2	1121.	1121.4	1110.	1105.	1099.8	1104.9	57	30
44	1112.	1111.9	1113.9	1118.	1123.3	1126.6	1120.8	1120.2	1110.3	1107.1	1102.	1104.7	3	30
50	1112.4	1112.	1115.7	1117.	1123.4	1126.5	1122.	1119.5	1112.7	1105.4	1102.4	1102.4	9	30
56	1112.	1112.4	1115.9	1117.9	1127.	1126.1	1123.	1120.	1112.5	1105.	1104.1	1101.2	15	30
Thermometer	78.	78.	77.8	77.7	78.5	79.2	79.6	80.3	81.3	81.2	80.7	79.6	Thermometer	

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
4	992.7	998.8	999.9	1000.3	998.8	995.7	994.1	989.5	986.	975.	957.8	946.6	.....23 30
10	993.5	999.1	1000.	1000.5	998.5	994.8	993.6	989.	985.3	973.	956.7	945.2	.....29 30
16	994.1	999.5	1000.1	1000.2	997.9	994.9	993.1	988.6	984.7	970.6	955.2	944.5	.....35 30
22	995.2	999.7	1000.6	1000.2	997.7	995.1	992.3	988.	983.9	968.9	953.9	943.2	.....41 30
28	995.4	999.9	1000.7	999.9	997.4	995.4	991.9	987.8	983.	967.1	952.5	942.5	.....47 30
34	996.2	999.9	1000.5	999.	997.	995.	991.1	987.4	982.1	965.1	950.8	941.7	.....53 30
40	996.7	1000.	1000.5	999.1	996.8	994.4	990.8	987.4	981.	963.2	950.6	940.9	.....59 30
46	997.4	1000.	1000.8	999.	996.3	994.6	990.3	986.8	979.5	962.	949.3	939.9	..... 5 30
52	997.9	1000.1	1000.5	998.1	996.3	994.5	989.6	987.	977.9	960.6	948 4	938.9	.....11 30
58	998.5	999.9	1000.5	998.8	996.4	994.1	990.	986.8	976.5	959.1	947.3	937.9	.....17 30
Thermometer...	85.2	85.	84.9	84.7	84.4	84.	83.7	83.2	82.1	80.7	80.1	79.6	.....Thermometer.

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
4	936.8	927.7	924.1	920.9	918.6	924.3	930.3	936.8	944.6	954.1	953.	948.7	.....23 30
10	935.8	927.4	923.9	920.7	918.8	925.4	930.7	938.	945.4	954.6	952.9	947.6	.....29 30
16	934.	926.8	923.8	920.1	918.8	926.	930.3	939.	947.2	954.3	953.3	946.2	.....35 30
22	933.2	926.8	923.8	920.	918.9	926.8	930.9	940.	947.8	954.4	953.6	945.8	.....41 30
28	932.6	926.	923.	920.	919.3	927.	931.1	940.4	949.5	954.2	952.5	945.	.....47 30
34	931.6	926.	922.7	920.	920.3	927.9	931.5	940.5	950.1	954.1	952.	944.4	.....53 30
40	931.	925.5	922.9	919.5	921.2	928.7	932.3	942.5	950.6	953.9	951.5	943.5	.....59 30
46	930.5	925.1	922.2	919.6	921.9	929.7	933.9	.....	952.	953.7	950.8	942.4	..... 5 30
52	929.1	925.	921.6	919.	922.9	929.7	934.9	943.5	952.9	953.5	950.8	941.5	.....11 30
58	928.4	924.9	921.1	919.	923.8	930.	935.6	944.1	953.4	953.1	949.9	940.1	.....17 30

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

TERM DAY MAGNETIC OBSERVATIONS,

FROM JULY TO DECEMBER, 1844.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	543.3	542 1	544.1	545.	545.1	544.9	545.9	553.4	553.5	554.6	548.9	556.3	19 30
6	541.7	542.	544.	544.7	545.1	546.	545.3	555 7	559.6	555.1	553.5	561.1	25 30
12	541.7	542.1	544.3	542.3	545.4	547.	546.	559.	564.	556.1	552.8	564.	31 30
18	541.4	542.8	544.2	551.3	545.	546.4	546.7	557.6	564.8	553.	556.1	563.3	37 30
24	541.9	543.	544.7	546.9	545.3	548.4	547.1	556.4	564.2	548.5	554.5	564.1	43 30
30	541.5	543.3	545.2	544.3	545.8	547.8	547.8	553.7	564.8	539.8	553.8	565.3	49 30
36	541.9	543.1	545.1	543.8	546.4	547.3	548.9	551.1	563.4	537.9	548.	567.3	55 30
42	541.8	543.9	544.9	543.8	545.5	547.	549.5	552.5	560.3	537.7	546.5	565.8	1 30
48	541.8	544.	545.8	544.3	544.7	547.2	550.7	552.5	557.9	539.2	549.7	567.6	7 30
54	542.	544.	545.9	544.1	544.2	546.1	551.9	550.4	556.9	544.3	552.4	567.3	13 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	568.4	560.7	555.	544.9	553.6	556.9	547.	539.1	536.5	537.2	533.5	541.	19 30
6	572.3	558.5	553.3	544.6	552.7	556.1	542 5	542.2	535.2	535.2	534.	540.3	25 30
12	573.2	558.8	551.1	547.2	550.	551.3	542.1	542.4	535.5	543.1	536.2	540.8	31 30
18	572.7	556.4	554.2	549.7	550.2	555.4	542.9	542.7	535.3	536.	539.3	540.1	37 30
24	573.4	557.4	549.2	548.9	549.9	554.4	540.9	543.7	536.	536.5	541.	541.8	43 30
30	570.1	559.	546.	548.4	551.9	553.7	539.7	540.8	536.9	536.5	542.7	541.1	49 30
36	565.7	559.7	546.5	548.6	553.3	553.7	538.	537.9	538.1	536.4	541.8	540.8	55 30
42	563.8	558.1	546.2	549.	552.5	552.3	538.	536.5	535.3	537.6	542.2	541.2	1 30
48	560.1	556.3	546.2	551.8	554.	551.7	538.	535.	536.9	536.2	541.8	541.5	7 30
54	560.7	554.7	545.1	551.8	555.4	550.1	541.6	535.6	536.7	534.	541.4	542.4	13 30

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	...Observatory time.
m.													m. s.
4	1014 4	1030.5	1037.1	1040.9	1040.7	1039.3	1034.1	1023.1	1014.4	1008.7	1019.	1005.2	.....23 30
10	1016.5	1031.2	1037.7	1040.7	1040.8	1039.7	1033.5	1022.1	1014.6	1009.	1020.	1004.	.....29 30
16	1018.6	1031.9	1038.3	1041.2	1040.5	1039.7	1032.7	1020.5	1014.9	1008.5	1020.	1002.3	.....35 30
22	1020.9	1032.5	1038.9	1040.3	1040.6	1039.7	1031.7	1018.8	1014.9	1007.7	1016.7	1001.6	.....41 30
28	1022.9	1033.2	1039.3	1040	1040.4	1039.1	1030.5	1017.2	1015.	1007.6	1015.7	1000.6	.....47 30
34	1025.	1033.7	1039.8	1040.2	1040.4	1038.1	1029.2	1017.1	1014.	1010.2	1014.2	999.5	.....53 30
40	1026.2	1034.4	1040.1	1040.3	1039.9	1037.6	1028.4	1015.4	1012.	1012.	1012.5	997.2	.....59 30
46	1027.8	1035.1	1040.6	1040.7	1039.7	1036.8	1027.2	1017.1	1011.2	1013.3	1011.4	996 6	..... 5 30
52	1028 7	1035.6	1041.2	1040.7	1039.3	1035.4	1025.4	1015.5	1010.1	1015.1	1009.	996.7	.....11 30
58	1029.5	1036.3	1041.1	1040 7	1039.4	1034.9	1023.9	1013.8	1009.3	1017.1	1007.	998.	.....17 30
Thermometer...	86.1	86.2	86.1	85.4	85.1	84.5	83.4	82.4	81.9	81.3	80.6	80.1	.....Thermometer.

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	...Observatory time.
m.													m. s.
4	998.	981.5	975.2	971.6	968.1	958.7	957.5	962.6	*974.5	*980.9	*976.2	*983.7	.....23 30
10	995.4	980.2	975.8	971.7	967.5	957.5	957.5	962.6	*966.7	*982.3	*975.9	*973.7	.....29 30
16	992.8	980.3	975.8	971.6	966.	957.5	959.	963.	*966.7	*984.3	*971.6	*971.9	.....35 30
22	990.3	979.1	974.9	970.8	965.2	957.2	959.2	962.8	*977.9	*985.3	*973.4	*981.5	.....41 30
28	988.4	979.2	974.5	970.6	964 6	957.7	959.2	963.	*968.8	*988.4	*985.9	*972.5	.....47 30
34	986.9	978.9	974.2	970.3	963.6	958.8	959.	963.	*968.	*989.	*984.2	*967.2	.....53 30
40	985.8	978.1	973.7	970.9	962.1	959.2	959.8	963.1	*978.8	*989.9	*972.1	*989.7	.....59 30
46	983.9	977.3	972.9	970.2	960.2	958.8	960.3	*988 1	*976.	*985.	*980.9	*972.9	..... 5 30
52	983.7	975.6	972.6	970.	960.3	959.	960.3	*974.9	*971.	*978.1	*972.3	*976.6	.....11 30
58	982.2	976.	971.9	970.1	960.1	957.8	961.8	*973.7	*972.7	*977.1	*972.4	*973.9	.....17 30
Thermometer...	79.9	79.3	78.9	78.7	78.6	78.8	79.6	80.3	81.6	81.6	81.1	81.7	.....Thermometer.

* Cart near the observatory.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
0	542.5	542.5	544.	551.4	551.	543.	545.1	550.6	552.4	545.6	544.4	543.3	19 30
6	543.	542.9	542.	563.3	551.9	543.9	544.2	550.9	550.6	543.6	543.5	542.9	25 30
12	542.9	542.7	543.2	577.8	553.2	546.1	544.2	551.	548.4	544.3	542.	543.2	31 30
18	542.9	542.	543.1	600.	554.5	548.	544.2	552.1	549.1	541.	542.4	544.5	37 30
24	543.2	542.	543.	598.7	553.	548.9	545.1	552.7	552.7	544.	543.3	546.4	43 30
30	544 4	542.9	544.9	583 1	548.3	547.8	546.7	553.7	554.	544.8	544.7	548.3	49 30
36	544.4	543.2	545.7	566.5	543.9	547.8	547.3	555.5	552.	543.8	545.1	546.4	55 30
42	543.7	544.2	544.6	556.5	540.9	547.1	548.4	553.5	548.7	544.	544.7	544 8	1 30
48	542.4	544.6	544.8	552.1	541.	547.3	548.6	550.3	547.9	544 8	544.9	544.4	7 30
54	542.1	544.	547.1	549.6	543.6	546.8	550.7	550.9	546.	544.5	545.3	542.8	13 30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
0	542.4	541.	550.3	550.2	546.6	546.9	543.9	540.9	540.7	537.	537.6	541.4	19 30
6	542.3	543.4	551.3	548.2	547.8	546.1	541.6	543.9	539.6	537.7	536.9	542 6	25 30
12	543.1	545.2	552.	547.5	548 4	546.6	541.9	537.4	540 5	537.5	536.2	542.8	31 30
18	541.8	545.8	550.7	547.9	548.3	545.7	542.	533.5	538.2	537.6	536.3	543.1	37 30
24	540.3	549.1	551.	548.5	547.9	545.5	542.3	535.8	536.8	540.2	536.4	543.7	43 30
30	538.8	551.	551.3	547.4	547.	544.	540.1	538.9	537.	538.7	536 0	542 6	49 30
36	537.9	552.5	552.	548.2	547.2	543.6	537.7	538.1	538.2	538.7	536.9	540.	55 30
42	537.3	552.	550.6	548.9	546.5	543.1	537.	538.1	537.8	538.5	536.5	540.5	1 30
48	537.2	552.4	551.9	547.9	545.9	545.	536.2	537.9	539	536.1	540.1	542 4	7 30
54	538.5	552.2	552.	546.6	546.	545.	537.7	539.2	541.5	537.9	541 0	542 5	13 30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
2	1125 3	1147.8	1151.4	1166.7	1155 2	1153.9	1152.	1149.7	1124.4	1156.9	1161.5	1151.7	21 30
8	1132.2	1147.6	1155.5	1172.5	1155.2	1152.7	1154.6	1150 4	1127.8	1157.4	1160.8	1155.5	27 30
14	1132.3	1148.3	1152.9	1162.9	1158.7	1151.5	1153.3	1151.2	1138.5	1159.	1159.6	1155.9	33 30
20	1130.8	1151.7	1156.1	1136.2	1158.6	1153 2	1153.3	1152.2	1144.8	1160.5	1159.	1154.3	39 30
26	1131.8	1150.4	1154.4	1119.4	1159.5	1154.9	1151.9	1153.5	1145.	1162.7	1157.7	1154.8	45 30
32	1127.2	1150.8	1149.9	1117.2	1159.1	1157.5	1156.1	1150.2	1142.9	1165.7	1158.6	1155.	51 30
38	1130.	1147 3	1149.2	1126.	1159.	1158.1	1157.3	1145.1	1144.8	1167 7	1157.8	1155.1	57 30
44	1136 6	1146.3	1151.	1135.5	1160.5	1158.7	1155.1	1136 4	1147.4	1164 5	1157.2	1153.6	3 30
50	1142.7	1146.8	1156.3	1141.	1157.1	1154.6	1151.1	1123.6	1149.2	1163.8	1155.2	1153.9	9 30
56	1147.	1149 9	1162.	1149.3	1153.7	1152.7	1149.7	1123.	1155.1	1163.	1154.5	1151.8	15 30
Thermometer	75.6	76.1	76.2	76.	75.7	75.3	74.8	74.3	73.6	72.9	72.2	71.7	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
2	1153 6	1146.1	1149.9	1167.5	1162.6	1157.2	1168.7	1164.8	1151.8	1146.1	1150.9	1135.9	21 30
8	1158.7	1143.4	1150.1	1169.3	1166.2	1154.5	1169.8	1159.4	1150.6	1140.8	1155.	1136.	27 30
14	1163.2	1141.1	1151.4	1168.7	1165.4	1155.	1165.9	1161.3	1150.4	1141.6	1153.	1139.8	33 30
20	1164.5	1142.4	1155.9	1169.7	1161.2	1158.1	1164.7	1162.5	1150.	1140.8	1155.5	1139.9	39 30
26	1162.5	1141.	1157.	1166.	1158.7	1162.7	1166.2	1161.2	1148.2	1137.	1150.7	1135.5	45 30
32	1163.2	1141.	1157.4	1165.5	1156.9	1163.2	1165.8	1160.	1147.2	1134.5	1146.7	1144.4	51 30
38	1159.8	1139 2	1160.3	1165.2	1156.8	1165 9	1163.9	1156.8	1147.8	1136.1	1141.6	1147.5	57 30
44	1155.7	1145.6	1165.1	1164.4	1157.4	1163.1	1162.7	1153.1	1147.8	1137.6	1138.2	1149.5	3 30
50	1154.5	1145.1	1165.3	1162.5	1161.8	1163.4	1162.5	1154.2	1149.	1141.4	1137.5	1149.4	9 30
56	1149.2	1144.7	1166.5	1162.7	1159.	1164.5	1164.5	1154.5	1145.8	1147.5	1136.5	1150.1	15 30
Thermometer	71.	70.7	70.2	70.	70.1	70.2	70.7	71.5	72.3	73.1	73.9	74.3	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
4	877.2	887.5	894.9	897.6	893.6	892.3	888.5	887.6	893.8	877.8	865.6	854.1	23 30
10	877.9	888.5	895.4	897.8	898.7	892.6	887.7	887.5	893.5	876.8	864.1	853.8	29 30
16	878.3	890.	895.2	899.5	898.6	892.8	887.6	886.9	892 1	876.	863.3	854.	35 30
22	878.4	891.2	895.8	900.9	898.7	892.4	887.1	886 5	890.9	874 9	862.	853.7	41 30
28	878.8	892.4	896.1	901.8	896.7	892.	887.4	886.2	889.7	874.2	861.4	853.4	47 30
34	879.3	892.9	896.	901.4	895.1	891.6	887.1	886.8	887.4	873.	860.6	851.2	53 30
40	880.2	893.3	895.3	900.7	894.	890.9	886.9	887.5	886.2	870.7	859.5	850.6	59 30
46	881.9	893.4	895.1	899.7	893.5	890.4	886.9	889.5	884.2	869.5	858.1	849.8	5 30
52	884.1	893 8	895.2	899.5	893.1	889.8	887.2	890.4	882.8	868.1	857.1	848.9	11 30
58	886.	894.1	896.	898.6	892.8	889.1	887.8	892.7	880.2	866.9	854.9	848 3	17 30
Thermometer	76.1	76.4	75.8	75.5	75.1	74 8	74.3	73.8	73.2	72.5	71.9	71 3	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													m. s.
4	849.	843.9	835.5	829.1	825 6	829.9	827.3	829.7	836.4	844.0	855.	864.1	23 30
10	848.9	843.	831.7	829.	825.1	829.5	827.9	830.2	837.1	845.1	856.3	864.	29 30
16	847.8	841.7	833.9	829.	824.9	828.5	829.5	830.8	837.8	845.3	859.6	864.8	35 30
22	845.8	841.1	833.6	828.9	825.	828.7	827.7	831.	839.	847.2	862.1	865.	41 30
28	844.1	840.7	833.	828.5	825.1	827.7	828.4	832.1	840.1	847.1	863.2	865.	47 30
34	843.9	839.9	833.1	827.6	825.	827.1	828.4	832.6	840.3	847.5	863.4	866.	53 30
40	843.5	838.8	831.7	827.9	825.3	827.6	829.4	833.1	841.8	849.2	864.2	867.9	59 30
46	843.8	837.6	831.5	827.5	824.9	827.8	828.8	833.1	842.7	850.6	863.4	869.4	5 30
52	842.9	837.5	830.9	827.1	825.2	827.6	830.6	834.6	843.1	850.6	864.4	870.9	11 30

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3....	..Observatory time.
m.													m. s.
0.....	538.2	538.	538.1	539.	541.9	543.8	541.9	538.9	538.5	541.	542.	544.	.....19 30
6.....	538.4	538.4	538.2	539.4	540.6	542.6	541.8	539.	539.5	539.4	542.2	543.	.....25 30
12.....	538.4	538.7	538.	538.6	541.2	542.9	541.6	540 5	539.3	540.	542.1	543.1	.....31 30
18.....	538.5	538.9	538.5	538.2	542.9	542.8	541.1	540.2	539.2	540.7	542.	544.1	.....37 30
24.....	538 5	539.1	538.9	538.1	542 9	544.3	541.	539.7	536.7	543.9	541.7	545.	.....43 30
30.....	538.5	539.	539.6	538.2	543.	543.1	541.5	539.3	539.1	542.2	542.	546.	.....49 30
36.....	538.5	539.	540.4	538.5	541.7	543.	540.9	537.7	540.	543.	542.4	545.5	.....55 30
42.....	538.1	538.9	540.1	539.	542.4	543.9	540.6	535.9	540.4	542.7	542.5	545.	..... 1 30
48.....	538.	538.4	539.4	540.5	541.8	543.8	540.	535.6	541.1	541.7	543.2	544.1	..... 7 30
54.....	538.	538.1	539.	542.9	544.1	542.7	540.	537.	541.	541.7	543.9	544.1	.....13 30

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
0.....	544.	543.7	540.	542.7	544.	544.4	541.8	537.7	532.5	532.1	530.7	533.9	.....19 30
6.....	543.5	543.6	540.5	543.8	544.9	545.4	540.5	537.3	533.2	532 8	531.	534.8	.....25 30
12.....	543.2	544.4	539.3	545.5	544.5	544.9	540.1	537.1	532.8	532.4	531.2	535.1	.....31 30
18.....	542.8	543.	539 6	545.1	544.9	544.8	540.1	536.	532.3	531.9	531.7	537.2	.....37 30
24.....	542.5	542.	540.	544.2	544 4	543.8	539.9	535.4	532.5	532.2	531.6	534.	.....43 30
30.....	543.	541.8	540.1	544.2	544.7	543.4	539.1	534.9	532.6	532.1	532 2	535.6	.....49 30
36.....	543.5	541.7	539.2	544.2	545.2	544.1	539.5	534.9	532.8	531.2	531.7	536.1	.....55 30
42.....	544.	541.7	540.2	544.2	544.6	543.1	539.	534.4	532.3	531.5	532.1	536.3	..... 1 30
48.....	544.6	541.	542.5	543.8	544.	542.1	538.3	533.8	532.3	531.3	532.7	536.5	..... 7 30
54.....	544.5	540.5	541.6	543.7	544.7	542.3	538.2	533.4	532.2	531.9	533.3	536.5	.....13 30

SEPTEMBER 18, 19.] MAGNETIC TERM DAY.—HORIZONTAL FORCE MAGNETOMETER. [1844.

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.		
m.														m.	s.
2	1117.9	1116.	1121.3	1128.	1136.	1135.6	1118.9	1118.	1104.4	1105.2	1108.9	1104.5	.....	21	30
8	1117.	1117.9	1122.5	1128.6	1138.2	1136.5	1114.	1119.	1106.	1104.9	1108.	1103.4	.....	27	30
14	1116.2	1120.5	1122.7	1129.1	1136.	1136.3	1116.	1117.6	1105.1	1106.1	1107.1	1102.9	.....	33	30
20	1115.1	1121.3	1123.5	1127.9	1134.2	1132.	1118.2	1115.2	1106.5	1108.4	1107.1	1102.1	.....	39	30
26	1113.9	1119.8	1123.2	1127.1	1135.1	1127.3	1118.4	1112.3	1100.2	1107.1	1106.4	1102.5	.....	45	30
32	1114.4	1118.3	1125.3	1127.	1134.5	1125.2	1116.8	1111.4	1104.4	1107.2	1106.2	1103.	.....	51	30
38	1113.7	1119.2	1126.	1129.4	1135.4	1126.2	1116.7	1105.2	1102.8	1108.7	1106.6	1101.8	.....	57	30
44	1114.4	1117.8	1126.4	1133.	1134.2	1123.4	1118.2	1104.9	1104.2	1108.	1105.5	1101.2	.....	3	30
50	1113.6	1120.1	1128.1	1133.9	1135.4	1116.5	1117.5	1104.1	1105.2	1103.	1105.5	.....	.....	9	30
56	1114.9	1120.7	1128.2	1134.1	1136.3	1113.5	1116.5	1104.1	1105.1	1109.1	1104.	1099.6	.....	15	30
Thermometer ...	81.8	82.3	82.5	82.4	82.1	81.	79.6	79.	78.	76.9	76.1	75.2	.... Thermometer.		

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.		
m.														m.	s.
2	1100.7	1101.5	1103.8	1101.	1104.	1111.5	1106.8	1101.7	1096.3	1094.5	1088.9	1093.7	.....	21	30
8	1099.5	1103.5	1102.3	1100.8	1107.9	1110.8	1108.	1101.2	1095.4	1093.6	1093.	1090.	.....	27	30
14	1099.2	1105.5	1102.	1101.3	1109.9	1108.6	1106.1	1099.9	1094.7	1090.1	1093.9	1085.1	.....	33	30
20	1099.1	1108.7	1101.	1101.4	1110.9	1107.4	1105.5	1097.5	1096.3	1090.8	1093.1	1084.4	.....	39	30
26	1100.2	1110.	1098.	1099.	1111.3	1109.1	1103.5	1101.	1096.6	1086.6	1094.8	1084.3	.....	45	30
32	1099.6	1111.4	1097.3	1099.	1111.5	1107.4	1104.1	1100.	1096.9	1088.8	1096.2	1082.6	.....	51	30
38	1099.9	1108.5	1099.3	1099.	1111.	1101.1	1104.5	1091.4	1097.1	1092.	1100.4	1083.7	.....	57	30
44	1100.7	1105.1	1102.7	1100 1	1110.6	1105.3	1103.4	1091.8	1097.6	1095.4	1106.6	1083.1	.....	3	30
50	1101.3	1103.3	1103.9	1102.6	1111.9	1107.5	1103.5	1096.7	1096.4	1092.6	1093.8	1083.5	.....	9	30
56	1100.	1102.2	1103.2	1104.	1111.2	1107.1	1103.1	1095.5	1095.8	1090.1	1097.4	1085.	.....	15	30

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
4	956.8	973.	983.2	988.1	989.6	991.6	979.5	968 9	963.	951.3	940.3	931.	.....23 30
10	957.9	974.7	984.	988.1	989.9	991.2	978.	968.7	960.8	950.	939.9	930.2	.....29 30
16	958.9	975.9	984 8	988.1	990.1	990.5	976.7	967.8	960.	949.	938 6	929.9	.....35 30
22	960.1	977.1	985.1	988.6	990.	989.7	975.	967.	958.1	948.	937.5	928.9	.....41 30
28	961.4	978.	985.8	988.9	989.8	988 2	974.	966.8	957.8	947.4	936.8	927.7	.....47 30
34	963.2	979.1	986.1	988.8	989.8	986.8	973.1	965.6	956.1	946.1	935.6	926.5	.....53 30
40	965.1	980.1	986.9	989.3	989.9	985.9	972.2	965.1	956.2	945.	935.	925.9	.....59 30
46	967.2	980.9	987.	989.9	990.7	984.7	971.1	964.9	955.	944.	934.1	925.	..... 5 30
52	969.4	981.7	987.1	990.	991.8	983.	970.2	964.1	953.7	942.2	934.3	922.2	.....11 30
58	971.	982.7	987.	990.	992.1	981.1	969.3	963.2	953.	941.	932.1	922.2	.....17 30
Thermometer...	81.7	82.	81 8	81.6	81.6	80.3	79.3	78.8	78.	76.8	76.	75.3	.... Thermometer.

Göttingen time..	h. ..10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
4	921.1	909.3	896.9	882.2	868.8	865.1	867.7	871.5	878.2	886.	897.8	913.5	.....23 30
10	919.7	908.3	895.1	880.5	867.5	865.7	867.5	872.6	879.2	886.5	899.8	914.	.....29 30
16	918.6	907.5	893.2	878.4	867.7	865.	868.4	872.8	880.	887.4	901.	914.5	.....35 30
22	917.6	906.5	891.8	876.7	866.7	865.1	869.	873.	880.3	888.	902.8	914.6	.....41 30
28	916.4	906.1	890.	875.	866.4	865.3	869.4	873.6	881.2	887.2	904.9	915.8	.....47 30
34	914.9	905.3	888.6	873.4	865.6	865.5	869.1	874.	882.4	887.3	905.5	916.1	.....53 30
40	914.1	904.6	887.3	871.9	865.3	866.2	870.1	875.6	882.8	885.5	907.9	916.3	.....59 30
46	913.4	902.4	886.5	871.	865.6	866.2	870.1	875.6	883.8	881.4	909.1	916.3	..... 5 30
52	912.	901.	881.6	869.6	865.1	867.	870.6	876.5	884.1	890.4	911.3	917.	.....11 30
58	910.9	899.	883.9	869.	865.6	867.4	871.1	877.8	884.8	895.1	912.3	917.3	.....17 30
Thermometer...	74.4	73.5	72.1	71.5	71.7	72.	72.8	73.7	74.9	76.2	77.8	77.9	.... Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
													m.	s.
0	543.5	542.4	549.	549.1	549.2	515.	543.6	545.	512.2	515.7	541.9	546.4	19	30
6	543.5	542.3	552.3	547.1	549.1	545.3	542.3	544.6	540.4	535.7	542 9	546.5	25	30
12	543.9	542.	553.7	515.6	547.3	545.	542.5	514.2	539.6	535.8	543 5	546.4	31	30
18	543.3	543.2	551.7	545.7	547.6	514.	541.	543.4	540.5	536.9	544.1	545.8	37	30
24	543.2	543.	551.9	547.4	547.6	543.8	541.4	543.4	541.4	538.4	544.8	545.3	43	30
30	542.7	542.9	550.5	547.3	546.3	514.6	512.8	542.3	538.8	538.4	514.5	541.7	49	30
36	542.5	542.5	553.7	546.7	544.9	514.1	542 3	542.7	536.7	510.3	545.	544.3	55	30
42	541.5	513.7	554.	546.5	543.9	542.9	543.	543.6	537.4	511.	516.	544.2	1	30
48	541.5	543.2	553.2	546.8	544.7	513.	543.8	543.8	539.5	541.3	546.6	543.6	7	30
54	541.6	547.8	550.7	548.	544.4	543.6	541.9	543.6	537.3	511.5	547.	543.8	13	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
													m.	s.
0	544.	543.6	544.4	546.	543.9	540.1	538.2	535.8	534.9	538.1	541.	543.2	19	30
6	543.7	543.9	546.7	545.2	514.	510.	539.9	535.6	535.1	538.2	541.3	541.4	25	30
12	543.9	544.4	545.7	544.2	543.1	539.7	537.6	535.6	535.5	538.6	541.7	543.9	31	30
18	543.4	544.1	545.3	543.2	543.2	539.5	537.	535.9	535.9	539.	*542.	544.1	37	30
24	543.5	514.	546.5	542.1	543.3	539.5	536.7	535.4	535.8	538.9	542.7	545.9	43	30
30	543.5	544.5	546.8	542.6	543.5	539 5	536.7	535.3	536.	539.5	512.5	544.9	49	30
36	543.4	545.	546.5	542.5	542.7	539.7	536.7	534.6	536.7	539.5	542 8	544.9	55	30
42	543.7	544.5	549.4	542.2	542.6	539.2	536.3	533.9	537.	540.	543.1	545.8	1	30
48	544.	544.7	545 7	543.4	541.8	539.2	535.8	534.7	537.2	539.4	543.5	546.	7	30

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h 9 3	..Observatory time.
m.													m. s.
2	1155.6	1160.3	1163.2	1156 9	1160.4	1168.8	1159.7	1153.	1145.6	1148.3	1142.	1138.2	.....21 30
8	1157.6	1163.3	1161.1	1157.7	1160.3	1166.5	1159.7	1153.9	1145.9	1148.	1141.7	1138.	.....27 30
14	1155.5	1167.2	1152.	1160.1	1161.1	1167.2	1159.7	1151.4	1146.1	1145.5	1140.2	1137.6	.....33 30
20	1156.	1166.2	1149.7	1162.5	1159.6	1167.	1159.5	1148.8	1146.3	1143.5	1139.9	1139.7	.....39 30
26	1156.7	1165.8	1151.9	1163.7	1160.5	1165.2	1156.9	1149.7	1146.8	1143.3	1138.8	1140.3	.....45 30
32	1156.1	1166.9	1156.4	1168.9	1160.5	1164.	1155.5	1150.2	1147.8	1143.1	1136.1	1140.8	.....51 30
38	1156.	1166.9	1157.4	1168.9	1163.7	1161.7	1153.3	1149.	1148.8	1142.5	1136.1	1140.3	.....57 30
44	1157.6	1166.8	1155.7	1168.1	1166.6	1161.9	1152.6	1146.6	1148.5	1142.5	1135.5	1140.4	..... 3 30
50	1157.	1166.9	1156.	1165.3	1165.6	1162.4	1152.7	1144.9	1148.2	1141.3	1137.4	1142.1	..... 9 30
56	1160.	1165.3	1155.9	1164.	1168.8	1162.2	1153.2	1144.3	1147.7	1141.2	1136.8	1140.9	.....15 30
Thermometer...	... 70.2	70.8	69.9	69.8	68.1	67.2	66.7	66.8	67.4	67.3	67.1	67 9	.....Thermometer.

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h 21 15....	..Observatory time.
m.													m. s.
2	1140.8	1143.4	1144.6	1156.4	1164.4	1166.8	1163.7	1163.7	1164.2	1158.8	1153.8	1153.2	.....21 30
8	1140.6	1142.5	1144.1	1158.5	1161.9	1166 7	1164.4	1163.3	1163.5	1157.1	1152.5	1152.7	.....27 30
14	1141.2	1142.6	1145 3	1157.5	1162.5	1165.7	1163.6	1164.5	1166.2	1157.	1152.8	1155.5	.....33 30
20	1142.	1141.6	1144.7	1161.5	1163.4	1164.5	1163.8	1163.4	1162.7	1156.2	1152.1	1148.1	.....39 30
26	1141.8	1141.	1146.1	1161.2	1161.3	1164.5	1164.8	1162.8	1157.7	1156.3	1152.5	1154.	.....45 30
32	1141.4	1141.8	1148.7	1160.4	1164.1	1164.8	1163.4	1162.6	1162.4	1155.3	1152.6	1155.1	.....51 30
38	1141.9	1143.4	1148.9	1161.2	1164.7	1164.5	1163.2	1164.	1161.7	1154.8	1153.4	1154.3	.....57 30
44	1141.3	1143.	1150.5	1160.3	1165.9	1164.6	1163.8	1162.4	1161.5	1151.8	1154.1	1153.9	..... 3 30
50	1142.8	1145.5	1152.1	1161.1	1167.6	1164.4	1164.3	1164.9	1160.3	1155.8	1151.5	1150.5	..... 9 30
56	1143.3	1143.8	1153.8	1162.1	1165.6	1164.9	1163.3	1164.9	1160.2	1154.6	1152.9	1154.5	.....15 30
Thermometer...	68.2	68.3	68.4	67.9	68.4	69.3	69.9	70.8	71.5	72.1	72.8	73.5	.....Thermometer.

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
0	546.8	550.1	550.9	548.9	552.3	549.2	549.4	547.5	547.7	547.	548.1	547.4	.....19 30
6	547.8	549.3	550.	549.	552.1	549.6	549.3	546.9	547.1	547.	548.	547.7	.....25 30
12	547.9	549.5	549.1	548.9	552.	549 9	549.5	547.1	548.	547.4	548.	547.5	.....31 30
18	548.3	549.2	549.2	549.	551.7	549.5	548.9	547.4	548.	547.9	547.9	548.1	.....37 30
24	547.8	549.2	549.	549.3	551.4	548.9	548.8	547.4	547.2	547.5	547.6	548.1	.....43 30
30	549 5	548.8	549.	549.9	550.4	*548.7	548.4	548.1	547.	548.2	547.9	548.5	.....49 30
36	551.5	549.7	547.6	550.5	550.2	548.8	548.5	547.5	547.	548.5	547.6	548.2	.....55 30
42	550.3	549.9	548.7	550.5	549.9	548.7	547.9	547.	546.9	548.3	547.7	548.7	..... 1 30
48	550.2	551.2	548.9	551.5	549.	549.5	548.5	547.1	547.1	548.4	547.1	548.1	..... 7 30
54	549.7	550.5	548.6	551.8	549.2	549.7	548.	547.2	546.6	548.2	547.6	548.3	.....13 30

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15...	..Observatory time.
m.													m. s.
0	548.8	549.4	549.9	547.1	548.2	548.9	550.9	547.6	543.4	541.8	541.7	541.9	.....19 30
6	548.5	550.	550.1	547.5	548.5	549.4	551.	546.6	543.2	541.4	541.9	542.4	.....25 30
12	548.1	549.1	549.7	547.6	547.7	549.5	551.4	546.2	543.1	541.2	542.	542.7	.....31 30
18	548.	550.4	550.6	547.5	547.9	549.1	551.	545.8	542.8	541.9	542.2	542.8	.....37 30
24	547.8	550.	550.	547.8	548.	549.1	551.3	544.5	543.3	540.9	541.6	542.9	.....43 30
30	547.9	551.	548.7	547.4	548.3	549.1	550.	545.4	542 2	541.2	542.	543.1	.....49 30
36	548.4	550.5	547.7	548.2	548.4	550.3	549.6	545.1	542.1	541.6	542.4	543.4	.....55 30
42	548.5	550.	547.4	548.	548.5	550.7	548.6	544.6	541.9	542.4	544.3	543.5	..... 1 30
48	549.	550.3	547.7	548.	548.3	551.2	548.5	543.7	542.3	541.8	541.9	543.6	..... 7 30
54	548.7	550.6	547.3	547.7	548.7	551.1	547.7	544.4	541.3	541.7	541.9	543.9	.....13 30

* Twelve seconds late.

Göttingen time..	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	..Observatory time.
m.													m. s.
2	1137.7	1133.3	1132.	1138.	1135.6	1140.9	1138.1	1144.1	1144.	1138.5	1136.5	1136.5	.....21 30
8	1134.9	1133.8	1134.4	1137.2	1139.6	1142.5	1138.2	1142.1	1142.3	1137.4	1136.1	1136.	.....27 30
14	1137.1	1136.5	1134.5	1140.3	1142.	1141.8	1139.1	1141.6	1146.	1137 2	1135.6	1136.4	.....33 30
20	1135.6	1133.7	1134.	1139.1	1143.8	1139.2	1140.3	1141.2	1141.6	1136.8	1136.3	1136.9	.....39 30
26	1135.9	1133.3	1131.5	1139.6	1141 3	1141.6	1141.1	1142.4	1142.1	1136 4	1136.6	1135.2	.....45 30
32	1135.	1133.4	1134.8	1140.2	1140.3	1139.7	1141.1	1143.1	1142.	1135.5	1136.8	1137.2	.....51 30
38	1134.	1131.4	1131.9	1140.5	1141.1	1140.5	1141.3	1143.1	1142.	1135.5	1136.1	1136.4	..... 57 30
44	1134.1	1133.	1135.8	1140.	1141.7	1139 2	1142.2	1142.8	1142.1	1137.5	1135.7	1134.6	..... 3 30
50	1131.9	1132.2	1136.9	1138.1	1140.6	1139.4	1142.1	1144.2	1141.2	1136 5	1135.9	1135.5	..... 9 30
56	1135.6	1131.5	1137.1	1136.1	1141.5	1138.6	1142.5	1142.9	1142.4	1136.4	1136.2	1135.8	.....15 30
Thermometer...	58.8	59.	59.2	59.3	59 4	59.5	59.2	59.	58.8	58.4	58.2	58.	.....Thermometer.

Göttingen time..	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	..Observatory time.
m.													m. s.
2	1133.7	1132.1	1132.6	1138.3	1141.9	1151.8	1144.	1153.1	1136.4	1133.3	1127.2	1120.	.....21 30
8	1133.3	1132.5	1132.9	1138.3	1141.3	1154.3	1144.1	1153.4	1136.2	1132.7	1129.1	1139.4	.....27 30
14	1134.2	1131.9	1133.	1138.4	1142.4	1153.	1145.	1155.3	1136.6	1131.	1129.6	1136.5	.....33 30
20	1135.	1131.2	1130.1	1138.3	1141.7	1151.1	1147.6	1156.4	1136.6	1130.5	1127.3	1136 9	.....39 30
26	1135.3	1131.7	1131.1	1139.	1143.8	1154.4	1148.	1156.3	1134.9	1130.	1126 1	1134.7	.....45 30
32	1131.1	1130.4	1133 7	1139.5	1145.5	1153.9	1149.	1156.	1133.1	1131.	1125.	1135.2	.....51 30
38	1134.	1131.	1131.9	1140.5	1144.5	1153.4	1150.6	1154.2	1134.7	1130.8	1126.6	1134.3	.....57 30
44	1133.7	1132.9	1135.3	1142.	1146.6	1142.8	1150.6	1154.5	1133.8	1130.8	1125.	1134.7	..... 3 30
50	1133.1	1133.5	1136.1	1140.	1147.3	1143.3	1153.6	1155.8	1133.9	1129.2	1123.7	1135.3	..... 9 30
56	1133.4	1131.7	1137.3	1141.4	1149.2	1144.2	1154.4	1138.	1134.8	1128.	1122.2	1134.3	.....15 30

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.
m.													m. s.
4	739.5	732.6	730.7	730.8	729.3	730.	725.9	723.3	718.1	709.6	702.7	699.9	23 30
10	737.3	732.2	730.5	730.6	729.9	730.	725.7	722.9	717.9	708.9	702.8	699.	29 30
16	736.4	732.	730.8	730.7	729.9	729.7	725.4	722.6	717.	707.9	702.1	698.7	35 30
22	735.8	731.9	730.9	730.3	729.9	729.3	725.2	722.3	716.	706.7	702.1	698.1	41 30
28	735.4	731.9	731.1	730.2	730.2	728.9	724.9	721.8	715.7	705.9	701.9	698.	47 30
34	734.5	731.4	730.7	729.	729.9	728.4	724.8	720.7	714.9	705.3	701.5	697.	53 30
40	734.3	731.4	731.5	729.6	730.5	728.2	724.6	720.3	714.	705.	701.1	696.4	59 30
46	733.4	731.2	731.2	729.1	730.4	727.6	724.1	720.1	712.8	704.6	701.	696.4	5 30
52	733.2	731.2	731.	729.	730.4	727.3	724.1	719.5	711.3	704.2	700.5	696.2	11 30
58	732.9	730.9	731.	729.4	730.4	726.6	723.8	718.9	710.8	703.7	700.	696.	17 30
Thermometer	62.	62.4	62.6	62.2	62.5	62.	61.8	61.4	60.7	60.	59.5	58.3	Thermometer.

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.
m.													
4	695.	692.1	693.5	697.	698.9	697.5	698.5	707.4	708.4	706.7	702.4	698.	23 30
10	695.	692.	693.4	697.6	698.9	697.9	699.2	707.5	708.	706.1	702.2	696.9	29 30
16	693.7	691.8	693.5	697.7	699.1	697.1	700.2	707.7	708.	705.7	701.2	696.6	35 30
22	694.	691.9	694.	698.3	699.	696.7	700.9	707.5	708.3	705.3	700.6	697.2	41 30
28	693.8	692.	694.6	698.3	698.9	697.	702.2	707.8	708.4	705.	700.1	696.8	47 30
34	693.2	692.3	695.	698.8	699.	696.5	702.7	708.1	708.	705.5	700.	696.1	53 30
40	693.	692.3	695.3	699.	698.1	696.7	704.2	709.9	708.	704.6	699.9	696.2	59 30
46	692.7	692.6	695.5	698.9	698.7	696.8	705.	708.2	707.6	704.1	700.9	696.6	5 30
52	692.5	693.	696.2	698.9	698.8	697.1	706.8	708.7	707.1	703.9	699.7	696.6	11 30
58	692.2	693.	696.7	698.9	698.	697.3	707.3	708.2	707.2	703.	699.	696.9	17 30
Thermometer	59.3	59.6	60.	59.5	59.2	59.2	60.3	60.7	60.3	60.	59.5	59.3	Thermometer.

Göttingen time	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3	Observatory time.	
m.													m.	s.
0	529.3	530.5	530.9	531.2	532.8	532.9	532.6	532.2	532.5	529.7	527.9	531.	19	30
6	530.3	530.5	531.3	531.8	531.6	532.5	532.6	533.3	532.6	530.2	527.5	530.7	25	30
12	530.7	531.3	532.3	532.3	531.9	533.1	532.4	532.9	532.	529.9	528 2	530.7	31	30
18	530.6	530.1	531.6	532.	532.1	533.4	532.6	534.2	531.5	529.2	529.9	531.5	37	30
24	531.4	530.7	530.3	532.2	533.9	533.8	532.3	531.7	531.4	529.	530.4	535.	43	30
30	530.2	530.4	530.	531.5	532.7	532.5	531 9	533.9	530.7	526.8	531.9	534.4	49	30
36	529.	530.	530.	532.1	532.5	530.9	531.9	532.8	530.7	523.4	534.	542.4	55	30
42	530.5	529.6	530.9	531.9	533.	530.8	531.7	532.9	532.5	522.7	534.2	544.4	1	30
48	530.	529.8	530.8	531.5	532.2	532.1	531.6	533.5	530 3	525.3	532.7	545 9	7	30
54	529.9	529.5	531.5	533.7	532.5	532.7	531.5	532.	530.	526.4	532.	546.9	13	30

Göttingen time	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15	Observatory time.	
m.													m.	s.
0	545.3	535.2	529.9	529.4	531.9	533.4	525.	524.5	523.2	524.6	527.	527.	19	30
6	545.7	534.1	529.1	529.	532.6	532.7	526.4	526.2	523.8	527.2	529.1	527.	25	30
12	544.2	534.3	528.3	530.9	534.	537.1	527.2	524.7	524.2	525.5	528.	528.2	31	30
18	541.5	533.1	527.2	531.	534.8	538.1	527.4	523.9	524.9	525.8	527.9	†527.3	37	30
24	540.1	533.3	528.1	531.6	532.3	535.6	527.6	524.	524.5	524.	526.9	528.7	43	30
30	544.3	533.1	528.4	531.6	531.1	531.6	527.5	523.5	524.4	525.	528.2	529.3	49	30
36	538.6	533.5	528.2	531.4	533.1	529.8	528.9	523.3	525.1	526.1	525.6	527.2	55	30
42	537.5	533.2	528.1	531.3	531.8	529.1	527.2	523.	524.5	526.	527.7	524.5	1	30
48	536.4	532.	529.2	532 2	533.4	529.1	527.1	523.5	524.5	526.8	529.2	523.1	7	30
54	536.8	530.7	528.1	*532.	533 5	528.2	526.5	523 8	526.9	528.5	527.7	527.1	13	30

1990

Göttingen time...	h. 22 16	h. 23 17	h. 0 18	h. 1 19	h. 2 20	h. 3 21	h. 4 22	h. 5 23	h. 6 0	h. 7 1	h. 8 2	h. 9 3...	..Observatory time.
m.													m. s.
2.....	1184.5	1187.6	1204.1	1194.3	1185.9	1195.	1193.2	1196.5	1192.5	1191.7	1184.	1189.5	.....21 30
8.....	1182.2	1188.2	1201.	1194.3	1187.9	1194.3	1195.1	1195.4	1192.3	1195 7	1184.5	1186.7	.....27 30
14.....	1182.5	1187.5	1205.4	1191.6	1189.	1194.3	1194.9	1192.	1192.7	1195.1	1182.8	1184.	.....33 30
20.....	1183.	1189.6	1201.	1192.2	1192.	1194.3	1195.8	1194.5	1191.1	1195.3	1181.	1185.2	.....39 30
26.....	1180.	1188.5	1201.2	1192.7	1194.5	1195.3	1195.5	1192.3	1189.	1193.9	1180.7	1187.7	.....45 30
32.....	1184.8	1190.2	1200.	1191.2	1196.1	1195.4	1195.6	1197.	1192.5	1192.	1183.4	1187.5	.....51 30
38.....	1184.3	1193.5	1200 5	1188.2	1194.3	1196.4	1198.	1195.1	1194.3	1188.6	1183.5	1189.9	....57 30
44.....	1185.5	1195.	1199.2	1186.4	1192.	1195 1	1197.1	1193.6	1200.8	1187.	1184.7	1190.5	..... 3 30
50.....	1187.7	1197.	1196.	1185 9	1193.6	1193.9	1197.7	1192.	1197.	1184.	1188 9	1192.5	..... 9 30
56.....	1189.2	1200.7	1194.9	1185.7	1194.5	1193.6	1196.5	1191.6	1195.	1185.8	1188.7	1194.8	.....15 30
Thermometer...	52.4	52.3	52.7	53.2	53 7	54.6	54.2	53.4	53.8	54.	53.8	53.8	.... Thermometer.

Göttingen time...	h. 10 4	h. 11 5	h. 12 6	h. 13 7	h. 14 8	h. 15 9	h. 16 10	h. 17 11	h. 18 12	h. 19 13	h. 20 14	h. 21 15....	..Observatory time.
m.													m. s.
2.....	1196.	1187.	1194 1	1188.7	1182.6	1186.	1214.1	1222.8	1221.5	1208.3	1208.2	1206.7	.....21 30
8.....	1195.5	1188.2	1193.	1186.2	1182.	1191.3	1212.2	1224 7	1219.	1208.	1207.3	1207.5	.....27 30
14.....	1195.7	1190.1	1191.	1184.2	1184.1	1187.6	1211.6	1226.6	1217.7	1208.9	1205.4	1207.7	.....33 30
20.....	1194.6	1188.4	1193.4	1183.2	1182.1	1191.1	1210.3	1227.	1211.	1203.8	1207.1	1206.9	.....39 30
26.....	1191.7	1190.2	1191.1	1181.6	1182 6	1196.3	1209.5	1234.	1210.6	1205.8	1206.7	1204.9	.....45 30
32.....	1193.4	1191.4	1191.5	1181.1	1180.1	1198.3	1212.4	1231.2	1210.	1205.4	1205.	1198.5	.....51 30
38.....	1192.6	1191.5	1190.7	1183.8	1180.5	1198.3	1211.7	1233.6	1208.2	1207.4	1206.1	1201.3	.....57 30
44.....	1192.2	1192.1	1188.7	1182 2	1184.8	1200.7	1216.1	1228.5	1210.2	1205.4	1204.9	1208.9	..... 3 30
50.....	1191.	1190.4	1189.8	1181.	1185.4	1206 2	1220.5	1224.9	1211.1	1208.	1203.3	1203.3	..... 9 30
56.....	1186.5	1192.1	1186.2	1182.1	1185.9	1212.3	1221.2	1222.8	1205.1	1205.7	1207.3	1206 5	.....15 30
Thermometer...	53.6	53.2	52.9	52.3	52.1	52.4	52.8	53 2	54.	55.2	55.9	56.6	.... Thermometer.

MAGNETIC OBSERVATORY,

AT THE

GIRARD COLLEGE, PHILADELPHIA.

EXTRAORDINARY MAGNETIC OBSERVATIONS.

MAXIMA AND MINIMA,

FROM JANUARY TO JUNE, 1844.

GENERAL NOTE.

The observations are as in April, 1862.

Göttingen time Observatory time	h. m. 6 00 0 19½	h. m. 6 06 0 25½	h. m. 6 12 0 31½	h. m. 6 18 0 37½	h. m. 6 24 0 43½	h. m. 6 30 0 49½	h. m. 6 36 0 55½	h. m. 6 42 1 01½	h. m. 6 48 1 07½	h. m. 6 54 1 13½
Jan. *1	541.1	‡541.	541.2	540.9	540.3	540.2	540.1	540.1	540.3	540.1
*2	537.6	537.6	538.4	538.9	539.5	539.2	538.7	539.1	539.6	539.4
*3	538.7	538.4	538.5	538.6	538.6	538.5	538.7	538.4	538.2	538.1
*4	539.1	539.3	539.2	539.7	540.1	540.2	540.	540.5	539.9	539.2
*5	543.7	544.9	543.9	543.6	543.	541.6	541.4	540.7	540.	539.1
*6	543.1	541.8	539.1	538.4	539.5	542 7	543.7	543.3	543.6	543.3
*8	538 6	538.7	539.2	544.	544.6	544.5	542.9	541.3	539.5	539.6
*9	541.4	541.7	543.8	543.	542.1	542.4	541.9	540.9	540.1	540.6
*10	541.7	540.7	540.3	540.6	540.6	§541.	541.9	543.1	542.3	543.8
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	560.2	559.5	558.	557.6	558.8	560.2	560.5	560.9	561.1	560.2
15	559.7	558.7	558.	559.8	559.1	558.5	558.7	558.6	559.9	559.7
16	556.5	556.1	556.3	556.2	556.	556.1	556.5	556.6	556.1	556.5
17	558.	557.4	556.3	556.8	556.8	557.1	556.4	556.	556.1	556.7
18	558.9	557.9	557.4	557.8	560.4	559.4	‡558.9	557.3	557.9	559.
19	556.6	556.9	557.3	558.	557.	556.6	556.1	555.9	555.3	556.1
20	555.8	555.7	556.2	556.9	557.8	557.6	555.	556.1	557.5	557.9
22	.....	.....	.....	558.3	558.1	558.2	557.6	558.	557.7	557.9
23	556.5	557.	558.6	559.5	559.	559.7	560.5	561.4	561.8	561.9
24	557.6	557.6	557.1	557.7	558.	558.5	558.5	558.2	558.5	558.
†25	569.	569.8	572.5	570.5	569 6	569.	571.5	571.9	569.7	570.1
26	556.7	556.5	559.	558.3	559.9	560.	560.3	560.6	558.2	557.2
27	557.5	558.	557.	557.4	557.	555.9	§556.2	556.7	556.8	556.6
29	561.	560.6	560.9	561.7	560.	559.8	559.8	558.6	558.5	557.7
30	558.5	558.9	561.1	562.8	561.9	560.9	560.4	559.8	559.4	560.2
31	560.8	559.5	560.6	560.4	559.6	559 2	559.6	559.5	557.9	§557.1
Means	559.3	559.2	559.4	559.7	559.7	559.7	559.6	559.5	559.2	559.2

* In calculating the means, a correction of + 19.5 was applied to observations from 1st to 11th inst. † See disturbance observations. ‡ 2*m.* late. § 1*m.* late.

FIRST MAXIMUM OF DECLINATION—Continued.

	A. m.	A. m.	A. m.	A. m.	A. m.	A. m.	A. m.	A. m.	A. m.	A. m.
...mt time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
...servatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Jan. *1	540.6	541.1	541.5	541.3	540.9	540.6	541 8	542 3	541 5	541.3
*2	538.2	537.4	537.3	537.1	536.3	536.1	537.	536.3	536.5	536.6
*3	538.1	537.9	537.4	537.8	537 6	538.	538.4	539.	539.1	539 4
*4	538.8	538.4	538.	538.1	538.3	538.3	538.6	539 1	539	538.6
*5	538.4	539.6	540.5	538.	536.	531.5	534.3	531.	533 6	534.0
*6	541.5	538.4	536.5	538.1	539.7	539 8	541.2	542.0	543 4	541
*8	537.4	535.8	536.1	536.2	536.6	536.9	537.8	538.6	538 9	5 18
*9	540.3	540.2	542.6	543.1	543.1	543 8	543.	540.4	540.	5 19 8
*10	544.9	544.8	543.9	542.9	541.2	540.2	540.2	539 5	539 5	540
11	.....	.....	.....	.....	...	...	...	...	...	
12	.....	.....	.....	.....	...	...	...	...	...	
13	559.	557.7	560.3	559.5	559.5	559.2	559.8	560 2	560 5	560 8
15	558.9	558.9	558.2	558.	558.	558.6	557.5	557.3	557 8	557.8
16	556.3	556.1	556.5	557.1	556.6	556 9	559.9	558.1	5.7	557
17	557.	556.8	556.9	556 8	556.9	556 9	557 4	557 5	557 5	558 1
18	559 5	558.5	559.1	558 8	559.9	559.9	559.	558.6	5 7 7	5 7 4
19	556.	556.	555.7	556.3	556 7	557.8	558.4	558 8	558 8	558.8
20	558.	559.3	559.6	560.6	560.5	560.5	558 4	558.2	558. 7	559.2
22	558.1	558.7	558.9	558.	558.9	558 9	558.2	559 3	558. 7	558 4
23	561 8	560.8	561.2	561.8	562.1	561.2	561.3	561.3	561.3	560.8
24	558.3	558.3	558.1	558.1	558.4	557.7	558.2	5 7.7	558.4	558.6
†25	567.6	564.6	559.9	561.5	564.6	565.8	564.1	565.2	566.1	564 8
26	554.8	554.9	555.7	556.9	556.4	556.2	556.7	556.7	557.4	557.5
27	556.	555.5	555.9	556.1	555.6	556 5	557.	557.1	557.4	557.7
29	558.5	557.2	559.6	559.1	559.3	559.2	559.6	558 2	557.8	558.2
30	560.1	559.4	558.2	559.1	559.3	558.2	557.7	557.3	557 7	558.
31	557.4	557.7	557.5	558.1	558.1	557.5	556.9	557.2	556.	556.
Means										

Göttingen time.	h. m. 18 00	h. m. 18 06	h. m. 18 12	h. m. 18 18	h. m. 18 24	h. m. 18 30	h. m. 18 36	h. m. 18 42	h. m. 18 48	h. m. 18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Jan. *1	534.8	534.6	534.2	534.6	534.9	535.2	535.1	535.2	535.6	535.7
*2	534.	530.7	531.6	531.8	531.	531.9	532.4	532.5	533.1	532.6
*3	538.4	537.8	537.9	537.8	537.7	537.8	537.5	537.4	537.6	537.3
*4	534.2	534.	†535.	533 9	533.6	534.8	533.7	534.6	533.8	534.4
*5	533.	533.7	533.1	534.3	528.5	527.5	528.5	527.3	528.2	529.5
*6	533.5	532.2	532.2	532.7	531.7	530.6	530.4	529.4	531.	531.7
*8	531.2	531.2	531.6	530.7	532.7	531.9	531.7	531.7	530.9	530.3
*9	538.3	537.2	536.9	†536.3	‡536.8	537.8	539.1	537.	511.3	539.7
*10	535.7	535.4	535.6	535.2	534.2	533.4	532.8	532.6	533.	531.6
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	549.8	549.7	548.8	549.2	549.9	549.9	550.	549.8	549.7	†548.8
15	553.5	551.	551.	551.2	550.4	550.7	550.7	551.1	551.1	551.
16	551.5	550.7	551.4	551.1	550.8	551.3	551.	551.1	551.4	551.4
17	548.5	548.6	548.3	548.3	548.2	548.4	548.4	548.3	548.8	549.6
18	551.1	550.	550.4	551.6	551.9	551.8	‖552.1	552.4	552.9	552.5
19	554.5	554.9	555.3	556.	555.8	555.7	555.5	555.7	555.8	555.8
20	555.5	555.7	555.7	555.4	555.3	§554.7	†554.9	555.	555.2	555.2
22	553.1	551.3	547.3	552.6	547.9	547.7	548.4	†548.3	548.8	549.8
23	552.1	552.	552.	552.	552.	551.6	552.3	552.1	552.2	552.4
24	550.8	550.4	549.6	549.6	549.5	549.4	549.2	549.9	550.4	550.9
25	552.1	552.8	555.3	553.7	553.1	553.6	553.6	551.1	553.6	553.6
26	552.8	553.4	553.2	552.5	552.9	552:9	552.6	552.8	553.	552.9
27	551.2	551.2	551.2	550.9	551.1	550.7	550.7	551.2	550.7	551.1
29	556.2	554.1	554.2	554.8	555.	553.3	552.4	553.3	553.9	‡553.
30	553.2	553.	552.9	553.	†553.	552.5	552.8	553.3	553.3	554.
31	557.7	557.	557.1	557.	556.6	556.	556.7	555.8	556.	554.9
Means	553.2	552.7	552.7	552.9	552.4	552.3	552.3	552.3	552.6	552.6

* See page 1995. † One minute late. ‡ Twenty four seconds late. § Two minutes late. ‖ Forty-eight seconds late.

Göttingen time Observatory time	h. m. 3 00 21 19½	h. m. 3 06 21 25½	h. m. 3 12 21 31½	h. m. 3 18 21 37½	h. m. 3 24 21 43½	h. m. 3 30 21 49½	h. m. 3 36 21 55½	h. m. 3 42 22 01½	h. m. 3 48 22 07½	h. m. 3 54 22 13½
Jan. *1	538.2	538.4	538.2	538.3	538.3	538.2	539.3	540.1	539.9	540.
*2	542.6	541.7	540.9	542.1	542.	542.8	542.6	542.6	542.3	542.5
*3	540.7	540.5	540 4	540.4	540.2	539 8	539.4	540.9	540.1	539.8
*4	542.3	542.5	542.8	542.9	543.8	548.5	551.8	551.4	557.7	559.6
*5	545.6	546.6	550.9	553.8	556.5	558.3	554.3	548.9	546.6	544.2
*6	538.5	538.4	543.9	548.8	545.9	539.7	538.1	538.6	539.2	540.7
*8	543.5	546.	546.5	545.7	545 8	541.	534.6	536.5	543.4	547.
*9	557.9	558.2	553.	551.2	548.7	549.7	551.3	552.1	552.3	553.
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	561.1	561.5	562.3	561.1	561.7	561.8	561.	561.1	560.6	560.9
13	561.8	561.2	561.5	560.8	560.1	559.3	560.3	559.6	559.9	560.7
15	561.6	561.5	559.9	560.4	559.9	560.2	559.2	556.9	557.8	557.6
16	557.9	557 1	556.5	557.3	557.	557.1	556.5	556.4	556.2	558.
17	561.9	560.8	561.6	561.7	561.1	561.4	561.2	561.7	561.7	560.7
18	559.2	559.1	559.5	559.9	559.6	560.	559.9	559.5	559 8	560.
19	559.8	559.	560.1	560.3	560.	561.9	561.9	560.5	559.7	559.7
20	558.4	558.3	558.6	558.3	557.9	558.3	558.3	560.4	561.4	563.3
22	559.5	561.	560.8	559.4	558.2	558.4	558.7	559.1	559.4	560.1
23	558.5	559.1	558.3	558.9	559.9	559.2	559.1	559.4	559.3	559.3
†24	559.1	558.7	560.3	560.7	560.5	561.8	562.5	563.9	566.	568.
25	559.4	560.8	560 9	561.3	560.4	§560.	560.2	560.2	559.9	560.8
26	563.1	564.2	564.2	563.4	559.8	560.1	559.7	558.	558.	557.5
27	558.6	558.2	558.3	557.	558.	559.	559.3	559.	558.9	558.3
29	560.1	560.5	559.7	559.6	560.3	560.	561.6	561.6	561.1	561.
30	559.	‡559.2	559.1	559.5	559.2	558.8	561.1	561.6	560.8	561.5
31	560.7	562.4	563.	562.5	561.5	559.1	560.5	559.8	558.	557.8
Means	561.	561.2	561.5	561.6	561.3	561.2	561.1	561.	561.4	561.9

* See page 1995. † See disturbance observations. ‡ Forty-eight seconds late. § Four minutes forty-eight seconds late.

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
Jan. 1	†954.	45.	954.3	955 2	954.9	954.7	958.3	45.2	956.9	957.5	958.2	959.5	45.6
2	979.1	54.9	981.4	980.	§980.5	980.2	980 1	55.	978.8	977.9	979.	978.8	54.9
3	995.5	59.7	995.5	996.5	996 2	996.6	994.6	59.	994.8	994.4	993.4	993.	58.5
4	973.6	55.	972.4	972.3	973.8	972.9	975.3	54.2	974.1	976.	974.7	975 8	53.9
5	983.7	54.	981.	980.4	978.6	‖978.9	977.2	53.	973.7	976.7	975.6	§974.2	52.
6	977.7	49.2	975.1	975.6	973.4	977.1	977.5	49.3	977.7	976.9	978.2	979.2	49.7
8	985.4	54.2	985.3	984.1	986.4	985.8	986.	54.	986.4	985.7	986.	985.3	53.6
9	974.9	47.9	974 6	973.2	972.4	972 4	972.8	47.4	971.1	971.7	971.6	972.8	47.2
10	979.9	50.7	980.	978.4	978.7	979.5	979.5	50.9	981.4	976.8	979.2	977.1	50.8
11	980.5	49.8	978.8	979.2	978.9	977.	978.5	49.5	976.7	976.9	978.8	977.8	49.7
12	972.6	44.9	972.2	971 8	972.9	971.8	971.4	44.8	971.6	971.7	971.7	971.3	44.6
13	991.3	53.8	991.2	991.4	990.2	990.4	990.2	54.	991.2	993.1	991.4	991.1	54.3
15	982.5	52.5	982.8	982.5	981.8	984.8	985.2	52.4	983.5	984.3	983.8	983.1	52.3
16	999.6	59.6	1000.1	999.2	998.4	997.2	997.	59.6	997.	996.6	997.8	997.2	59.4
17	1003.	60.	1002.1	1001.7	1001.9	1003.3	1002.4	59.7	1003.3	1003.4	1001.1	1001.7	59.4
18	982.9	52.8	983.5	983.	982 7	983.1	983.3	53.	982.6	982.2	982.6	982.	53.
19	984.3	52.4	985.	984.3	984.5	993.6	983.5	52.6	985.	986.2	986.2	987.3	52.9
20	990.4	56.2	989.1	989.2	990 1	988.4	987.5	55.9	989.3	989.8	988.7	987.7	55.7
22	956.6	37.6	957.4	957.	957.1	957.2	956.8	37.8	957.	959 3	958.2	958.9	38.1
23	990.6	50.3	989.6	989 4	990.2	991.8	994.7	50.6	996.2	995.7	997.1	996.8	51.
*24	1010.4	55.2	1009.8	1008.6	1007.6	1008.5	1007.5	54.5	1007.5	1006.1	1006.6	1005.6	54.1
25	1001.2	53.	1004.	1004.	1004.3	1003.4	1001.8	52.1	1001.3	1000.7	999.1	999.1	51.1
26	965.6	†35.	966.9	966.3	966.3	965.	965.7	35.	965.2	966.8	963.9	965.	35.4
27	964.5	36.3	965.3	964.9	966.2	966.1	966.7	36.3	965.2	965.2	966.7	965.5	36.3
29	‡971.4	39.6	971.6	970.1	969.7	970.6	970.9	40.2	971.2	972.6	973.2	974.2	†40.6
30	980.5	43.5	980.2	977.2	979.4	979.5	978.7	43.8	980.2	981.2	981.8	980.3	43.8
31	990.4	47.	989.1	989.5	988.4	986.4	986.7	46.5	986.8	987.2	987.4	986.	†46.1
Means	982.3	50.	982.2	981.7	981.7	981.7	981.8	49.9	981.7	981.9	981.9	981.7	49.8
Reduced to 32° F.	944.5		944.4	943.9	944.	944.	944.2		944.1	944.4	944.4	944.3	

* See disturbance observations. † Supplied. ‡ Three minutes late. § One minute late. ‖ Two minutes late.

Göttingen time.. Observatory time.	A. m. 21 02 15 21½	Therm., Fah.	A. m. 21 08 15 27½	A. m. 21 14 15 33½	A. m. 21 20 15 39½	A. m. 21 26 15 45½	A. m. 21 32 15 51½	Therm., Fah.	A. m. 21 38 15 57½	A. m. 21 44 16 03½	A. m. 21 50 16 09½	A. m. 21 56 16 15½
Jan. 1	973.3	50.6	975.4	977.3	979.4	980.1	982.3	51.5	983.6	984.2	986.5	981.7
2	1005.4	61.9	1006.9	1005.	1006.1	1002.6	1001.2	62.9	1002.4	1004.1	1005.2	1006.3
3	993.7	60.1	993.6	992 9	994.	994.8	993.9	59.8	992.4	991 6	994.	‡993.5
4	977.5	57.3	978.9	979.1	978.7	992.3	992.2	57.8	992.1	988.9	992.4	986.1
5	978.8	52.3	984.2	981.8	978.7	977.3	977.8	52 9	977.3	981.5	983.1	983.7
6	998.5	56.8	1000.9	1002.4	996.9	998.8	§995.8	56.9	§996.8	998.2	995.5	992.7
8	983.1	58.5	979.6	978.9	*980 6	981.7	982.	58.5	981.9	982.	982.8	982.9
9	990.4	50 9	988.4	984.9	979.4	978.1	979.4	51.2	976.6	978.8	977.	977.7
10	986.7	59.1	988.8	988.4	991.4	992.	991.4	59.8	991.7	992.6	993.5	99176
11	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	974.6	51.8	975.4	976.9	981.5	980.9	985.2	52.4	988.6	989.5	988.	987.4
13	995.5	57.2	995.6	995.5	994.4	993.6	993.4	56.7	991.6	991.5	991.8	991.6
15	985.3	56.	984.1	983.8	†983.	983.1	982.8	56.2	983.4	983.1	981.	981.9
16	989.9	60.	989.7	989.6	990.1	990.9	990.1	60.4	990.4	989.3	989.1	990.2
17	1002.4	63.3	1004.8	1002.6	1000.9	997.9	1000.5	63.5	998 6	997.6	996.4	995.9
18	989.5	53.3	986.2	989.1	988.1	987.4	988.1	53.2	986.5	988.4	988.1	987.1
19	988.5	59.	990.4	991.4	991.6	992.2	993.5	59.7	990.8	991.4	989.	988.9
20	982.9	54.7	984.5	985.9	982.	982.	980.7	55.	981.	982.7	982.2	982.4
22	985.	52.5	984.6	987.4	985.2	986.1	987.2	53.1	987.4	989.6	986 5	983.1
23	990.9	57.7	989.9	991.2	991.6	992.5	991.4	58.2	992.4	992.3	991.3	991.3
24	999.7	62.7	1000.5	1001.5	999.2	1000.5	999.3	63 2	1001.4	1001.1	1000.2	1001.7
25	983.2	46.	984.1	984.1	983.	984.5	986.9	46.2	981.4	980.9	980.	979.5
26	967.3	37.	967.2	965.7	967.1	964.3	965.	37.9	965.	965.2	965.7	966.7
27	975 5	40.7	975.6	975.7	974.	976.	974.7	41.4	974.4	975.2	974.0	974.1
29	986.7	45.4	988.8	987.	990.2	988.5	989.9	43.6	989.3	989.6	987.6	988.8
30	994.	48.4	994.	994.	995.4	995.1	993.9	48.7	994.5	993.	993.5	995.9
31	994.	46.	994.2	993.3	‡993.5	990.8	989.3	45.8	988.2	984.8	983.2	982.2
Means	987.4	53.7	987.8	987.9	987.5	987.8	988.	54.1	987.8	988.	987.4	987.1
Reduced to 34° F.	941.8		942.	941.9	941.3	941.5	941.8		941.4	941.6	941.0	940.6

* Thirty seconds late. † Two minutes late. ‡ Forty seconds late. § One minute late. ‖ Twenty seconds late.

Göttingen time..... Observatory time.....	*h. m.* 22 02 16 21½	Therm., Fah.	*h. m.* 22 08 16 27½	*h. m.* 22 14 16 33½	*h. m.* 22 20 16 39½	*h. m.* 22 26 16 45½	*h. m.* 22 32 16 51½	Therm., Fah.	*h. m.* 22 38 16 57½	*h. m.* 22 44 17 03½	*h. m.* 22 50 17 09½	*h. m.* 22 56 17 15½	Therm., Fah.
Jan. 1.....	976.7	52.3	976.3	978.	975.3	975.5	972.5	53.8	974.3	972.7	973.4	972.6	54.6
2.....	1008.5	63.	1012.	1008.3	1006.7	1005.1	1003.6	63.	1002.4	1003.5	1003.3	1006.3	63.1
3.....	994.	59.	992.	991.2	991.3	993.4	992.4	59.2	992.8	992.6	993.3	992.6	58.2
4.....	988.3	58.2	986.7	984.8	980.4	983.4	983.3	57.8	981.8	982.	979.9	981.2	57.4
5.....	985.6	53.8	987.5	989.8	989.2	987.1	981 7	54.7	975.9	975.2	973.3	979.3	54.9
6.....	998.	57.	997.5	998.6	994.5	992.9	989.9	57.	989.4	987.8	989.2	991.	57.2
8.....	987.	57.9	986.6	990.6	992 5	1000.6	1006.3	57.8	1002.9	998.8	1000.1	998.	57.3
9.....	975.7	51.5	976.8	977.6	977.5	980.5	980.	51.5	978.4	977.6	978.3	976.	51.3
10.....	990.8	59.8	991.9	992.3	995.3	997.3	1000.5	60.	1000.	998.4	998.8	1000.1	60.1
11.....	.....	....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	....
12.....	987.1	52.9	987.2	985.7	982.4	980.8	979 4	53.9	977.7	975.6	977.6	978.	54.2
13.....	990.8	56.2	990.1	990.1	991.6	992.9	993.7	56.8	993.5	993.9	994.1	993.2	55.6
15.....	981.6	56.6	981.8	981.2	980.8	983.3	984.	56.6	982.5	984.6	983.1	983.7	56.9
16.....	990.6	60.4	990.4	990.8	990.8	991.6	992.2	60.7	991.9	990.8	993.3	991.8	60.8
17.....	997.5	62.8	997.7	995.6	999.7	1001.6	1001.2	62.4	1001.4	1001.5	1002.	1001.3	61.7
18.....	986.1	53.1	987.	985.4	983.4	986.1	985.8	53.1	985.2	987.7	989.	988.9	53.1
19.....	988.7	59.7	990.3	990.	991.1	991.1	992.1	59.8	992.2	993.6	993.6	995.1	59.9
20.....	982.6	55.1	982.9	981.6	983.3	982.2	983.4	54.8	983.4	983.9	984.8	985.3	54.6
22.....	982.1	53.4	979.3	984.4	981.8	994.1	990.1	54.	991.2	991.3	993.9	993.3	53.9
23.....	990.9	58.7	990.7	992.9	993.	993 3	995.1	59.3	996.8	998.4	999.8	1000.5	59.7
24.....	1000.6	62.3	999.3	1001.	1002.	1002.3	1003.	63.8	1002.2	1002.5	1001.8	1003.9	63.9
25.....	976.3	46.	976.6	979.4	978.9	976.7	978.5	46.2	978.9	974.6	983.2	981.5	46.
26.....	966.	38.4	965.6	966.8	966.5	966.	968.	39.5	971.1	973.	974.9	975.2	40.2
27.....	975.5	42.6	975.7	977.9	979.5	980.7	*980.8	42.9	979.3	978.3	977.3	978.5	43.1
29.....	986.9	43.8	987.	986.1	986.3	983.	985.	45.9	983.4	984.2	984.3	984.8	44.
30.....	993.7	48.6	993.9	993.1	992.2	990.9	991.4	49.4	993.1	991.6	990.9	991.8	49.5
31.....	981.4	45.5	982.9	982.9	980.7	979.7	977.5	45.4	978.1	977.	978.1	978.2	45.4
Means.....	987.	54.2	987.1	987.5	987.2	988.2	988.1	54.5	987.6	987.3	988.	988.6	54.5
Reduced to 32° F.....	940.4		940.3	940.6	940.2	941.	940.8		940.3	940.	940.7	941.3	

* One minute late.

Göttingen time..... Observatory time.....	*h. m.* 1 02 19 21½	Therm., Fah.	*h. m.* 1 08 19 27½	*h. m.* 1 14 19 33½	*h. m.* 1 20 19 39½	*h. m.* 1 26 19 45½	*h. m.* 1 32 19 51½	Therm., Fah.	*h. m.* 1 38 19 57½	*h. m.* 1 44 20 03½	*h. m.* 1 50 20 09½	*h. m.* 1 56 20 15½
Jan. 1.....	982.9	57.6	982.3	982.5	983.8	983.8	983.9	57.8	†983.7	983.5	982.9	983.1
2.....	1005.1	63.6	1004.9	1005.1	1005.6	1006.8	1005.7	63.1	1004.4	1005.6	1003.7	1004.5
3.....	995.4	56.5	995.9	996.2	996.3	996.5	994.3	56.2	993.6	992.3	990.2	990.5
4.....	987.4	56.1	983.4	§984.5	985.9	985.3	986.1	56.	983.1	983.8	983.8	984.1
5.....	982.9	54.8	981.1	981.1	979.7	981.3	983.9	54.2	983.9	984.7	982.9	983.5
6.....	987.8	58.3	988.8	989.5	991.	989.	986.7	58.2	986.1	989.	988.8	987.9
8.....	991.8	54.2	993.	992.4	991.8	988.9	986.9	54.	986.4	986.5	985.	984.9
9.....	982.5	51.7	984.1	983.1	983.1	982.9	982.3	51.8	984.4	982.4	981.8	983.2
10.....	1006.5	58.8	‡1002.1	1003.1	1002.4	998.9	1003.6	58.	1006.4	1005.6	1003.6	1000.5
11.....	†1002.7	56.8	1001.7	1000.7	998.6	997.1	997.1	56.8	997.3	999.1	1002.6	1001.
12.....	988.5	55.8	989.2	989.6	989.	990.7	988.5	55.6	990.4	990.7	988.2	987.5
13.....	993.3	57.4	992.4	992.7	992.5	995.9	994.5	57.9	994.3	994.6	994.5	996.1
15.....	997.1	58.6	998.2	998.4	1001.7	999.8	1001.	59.2	998.8	1000.3	1000.2	1000.4
16.....	996.5	62.2	996.1	997.6	997.6	996.3	998.2	62.3	997.5	998.5	998.9	998.8
17.....	1000.1	60.4	999.8	1002.7	999.7	998.2	997.5	59.9	996.5	997.6	997.6	997.6
18.....	984.7	54.2	985.9	984.2	984.7	985.3	985.6	154.4	986.5	985.6	987.4	986.6
19.....	1001.	58.6	1003.5	1003.4	1002.5	1001.4	999.6	58.8	998.8	998.5	998.1	997.9
20.....	983.7	53.8	985.3	984.2	983.6	983.9	983.9	53.5	984.3	983.4	984.9	985.
22.....	991.7	53.9	991.7	991.6	990.4	991.	991.8	53.8	989.7	989.2	991.2	988.8
23.....	1004.9	59.9	1006.7	1005.2	1005.1	1003.4	1003.9	59.9	1004.5	1005.1	1006.1	1005.8
*24.....	1008.	63.5	1008.6	1009.2	1008.1	1010.5	1009.7	63.5	1009.8	1012.9	1012.4	1012.3
25.....	986.	44.5	985.6	986.6	985.	987.2	988.2	43.6	987.1	988.4	988.2	988.7
26.....	976.6	40.2	977.4	979.5	979.8	978.5	978.9	40.1	980.1	980.7	980.5	981.
27.....	976.6	41.2	979.3	978.9	978.2	979.6	979.9	40.7	980.5	980.1	978.7	980.8
29.....	988.7	42.5	988.9	988.9	989.6	986.7	986.5	42.7	986.8	987.2	987.	986.
30.....	1002.4	49.9	1002.8	1000.2	996.1	996.5	997.1	49.9	997.4	998.9	997.1	997.8
31.....	978.3	45.	978.7	978.6	978.6	979.3	978.7	45.2	979.6	981.3	979.3	979.6
Means.....	992.	54.4	992.1	992.2	991.9	991.7	991.6	54.3	991.6	992.1	991.7	991.6

Göttingen time..... Observatory time.....	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
Jan. 1.....	985.1	57.8	983.5	983.6	983.3	985.1	987.9	58.2	985.6	986.2	986.6	987.6	58.5
2.....	1004.1	62.5	1003.	1003.4	1001.	1000.5	1000.1	62.	1000.7	998.4	1000.	1000.	61.5
3.....	989.8	56.3	991.3	986.5	989.1	990.3	988.2	56.2	989.	988.8	990.1	989.5	56.2
4.....	983.2	55.4	983.4	982.3	981.1	982.2	981.2	55.	983.4	984.	983.6	984.5	55.
5.....	980.8	53.7	982.6	985.5	981.	982.2	987.4	53.3	989.5	983.5	978.8	976.4	52.6
6.....	989.2	58.3	990.4	988.7	987.7	990.1	994.7	58.5	995.5	997.8	990.9	984.2	58.7
8.....	982.7	53.6	982.9	984.3	982.2	979.5	978.1	53.2	985.6	987.1	988.9	988.6	53.1
9.....	982.7	51.5	985.2	986.	986.8	985.3	986.5	51.3	987.4	985.1	984.8	985.4	51.1
10.....	1004.4	57.5	1004.1	1005.4	1003.8	1001.7	1000.2	57.1	1001.7	999.8	1001.3	1000.9	56.7
11.....	†999.9	56.6	998.7	995.5	996.7	994.5	992.7	56.3	992.2	992.	991.3	990.2	55.6
12.....	986.2	55.6	988.1	988.9	990.8	989.6	991.5	55.4	990.4	992.2	990.7	991.9	55.
13.....	995.6	58.3	996.1	1000.4	1003.4	1002.6	1000.5	58.8	998.7	996.9	997.4	997.1	59.4
15.....	1001.6	59.5	1000.7	1000.6	996.6	995.6	997.7	59.9	1000.	1002.4	1003.9	1003.2	60.
16.....	997.1	62.4	997.9	999.4	1002.2	1003.3	1001.9	62.7	1003.6	1005.7	1007.	1006.1	62.7
17.....	996.8	59.6	997.5	995.2	997.1	997.3	998.4	59.5	998.8	998.7	997.4	999.1	58.9
18.....	985.4	54.8	988.	988.1	988.4	989.5	989.9	54.9	990.4	989.3	990.	988.2	54.3
19.....	997.7	58.9	998.1	997.1	998.5	999.6	999.7	58.5	999.	1000.	1000.3	1001.5	58.3
20.....	985.6	53.5	984.1	984.6	983.	982.3	983.6	53.5	985.1	984.8	983.9	982.4	53.4
22.....	991.1	54.	993.	993.	992.2	992.2	990.2	54.1	990.	991.1	991.1	994.	54.
23.....	1005.8	59.7	1010.2	1009.2	1008.6	1006.1	1004.5	59.9	1007.	1008.1	1005.4	1004.3	59.9
*24.....	1014.1	63.	1014.8	1011.9	1018.4	1017.5	1023.2	62.7	1026.9	1027.1	1028.	1031.8	62.3
25.....	990.4	42.4	989.9	989.5	990.8	989.6	991.6	41.5	990.5	990.	991.4	988.7	40.7
26.....	980.2	39.4	978.7	976.4	976.6	979.3	974.5	39.2	970.8	967.6	966.2	970.5	38.9
27.....	983.	40.3	982.6	982.9	983.6	987.9	988.3	40.4	989.5	990.3	990.3	988.2	40.
29.....	985.7	42.5	984.7	984.1	984.1	986.5	985.5	42.1	985.	985.1	984.8	985.5	41.8
30.....	997.1	50.	997.6	996.8	998.5	998.1	998.2	49.9	997.6	998.6	998.2	998.8	49.7
31.....	981.4	45.	979.5	979.3	979.	979.9	981.6	44.5	981.5	982.7	979.9	978.9	44.1
Means.....	991.7	54.2	992.1	991.8	992.	992.2	992.5	54.	993.2	993.1	992.7	992.5	53.8
Reduced to 32° F.....	945.1		9 5.5	945.3	945.6	945.9	946.3		947.1	947.1	946.8	946.7	

* See disturbance observations.

† One minute late.

Göttingen time.. Observatory time	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Jan. 1.....	961.1	48.6	964.7	966.1	970.7	969.9	972.8	49.	974.2	977.3	979.6	978.2
2.....	968.3	53.2	967.7	969.	†970.5	972.8	970.9	53.7	972.	972.1	975.	975.8
3.....	998.6	56.6	998.5	999.	1000.5	1001.2	1000.8	56.7	1001.5	1002.1	1004.9	1005.1
4.....	968.9	51.	*970.8	966.8	969.1	969.9	968.4	51.	969.5	969.9	970.1	970.
5.....	981.8	49.1	986.1	983.7	988.1	993.4	986.9	49.8	989.8	989.3	990.3	990.5
6.....	992.2	49.8	993.3	996.	1001.8	1000.6	1001.1	50.	1000.5	1002.7	1001.7	1002.1
8.....	984.7	53.2	981.7	980.9	982.2	‡979.3	979.6	52.6	978.9	979.8	977.4	978.8
9.....	979.7	45.5	979.3	979.	979.1	979.3	978.9	45.4	982.2	980.3	981.2	984.1
10.....	986.4	50.	986.6	985.8	986.3	985.3	986.4	50.5	987.	985.4	988.	987.9
11.....	978 9	50.9	979.8	979.4	980.	981.3	981.8	51.2	982.8	983.7	985.	986.
12.....	983.3	43.	984.	984.8	986.5	988.8	989.7	43.	991.	989.5	991.4	990.5
13.....	1012.3	56.6	1013.4	1014.8	1015.6	1016.4	1018.1	56.7	1019.7	1019.3	1020.5	1018.3
15.....	994.4	54.2	996.2	996.8	997.4	997.8	998.3	54.5	1000.	†1001.1	1001.8	1002.2
16.....	1008.1	56.2	1006.4	1008.7	1007.2	1008.5	1009.2	56.	1009.8	1011.	1010.4	1009.7
17.....	1006.8	57.6	1007.4	1007.8	1007.5	1008.4	1010.1	57.9	1010.9	1012.	1013.2	1013.5
18.....	989.	52.	†990.1	991.4	991.3	993.3	993.	52.3	991.7	992.9	993.	994.5
19.....	986.8	51.8	983.8	984.	983.9	†983.9	983.9	51.7	984.9	§984.5	984.4	984.5
20.....	991.5	50.8	988.6	988.6	989.3	§988.3	987.7	50.7	986.7	986.8	†985.9	985.
22.....	965.6	43.1	966.	965.6	962.4	963.9	964.9	44.2	963.5	963.7	963.6	†964.2
23.....	1005.3	52.7	1007.5	1006.5	1007.9	1006.9	1007.1	53.3	1007.5	1008.2	1007.9	1008.3
24.....	1028.6	53.8	1028.	1029.7	1029.8	1030.	1030.8	54.6	1031.6	1029.1	1032.5	1031.1
25.....	987.5	46.5	985.4	986.	986.2	984.9	988.8	46.4	989.4	990.8	991.3	990.8
26.....	983.2	34.2	982.	983.3	983.	983.5	981.5	34.1	983.	984.4	984.5	985.1
27.....	975.9	36.6	976.4	976.6	976.8	‡977.3	979.2	36.4	978.5	980.9	981.2	981.8
29.....	982.5	39.9	982.5	982.4	982.1	983.2	984.2	39.8	984.1	983.7	985.	986.9
30.....	979.8	44.	981.1	981.9	982.7	983.8	984.	44.3	983.9	985.	986 2	988.1
31.....	982.9	42.9	†982.6	982.3	982.8	983.1	983.6	42.5	984.3	984.3	†985.5	986.1
Means.....	987.6	49.	987.8	988.	988.9	989.4	989.7	49.3	990.3	990.3	991.6	991.8

Göttingen time Observatory time	*h. m.* 16 32 10 51½	Therm., Fah.	*h. m.* 16 38 10 57½	*h. m.* 16 41 11 03½	*h. m.* 16 50 11 09½	*h. m.* 16 56 11 15½	*h. m.* 17 02 11 21½	Therm., Fah.	*h. m.* 17 08 11 27½	*h. m.* 17 14 11 33½	*h. m.* 17 20 11 39½	*h. m.* 17 26 11 45½	Therm., Fah.
Jan. 1	*984.	48.9	984.	985.7	986.5	987.3	988.5	48.8	987.7	985.7	988.2	986.	48.8
2	980.	54.4	979.3	979.2	982.3	981.9	983.2	55.3	986.7	†986.3	985.9	984.9	56.
3	1006.6	57.	1006.8	1007.9	1006.5	1006.7	1005.3	57.8	1008.1	1007.9	1009.	1006.6	58.4
4	971.9	51.1	973.9	971.1	971.1	973.1	971.9	51.8	973.2	§976.8	979.4	979.9	52.5
5	991.	50.2	992.3	992.3	993.2	991.9	989.9	50.3	990.7	994.4	990.4	992.	51.
6	999.	50.4	1000.4	998.6	999.	993.9	992.3	50.8	989.2	991.5	994.	991.	51.3
8	978.4	52.7	978.5	979.3	979.9	981.1	978.7	53.	979.2	980.	978.6	981.2	53.6
9	980.8	45.5	982.2	980.3	981.3	981.1	982.2	45.9	982.1	‖981.2	983.8	982.7	46.6
10	990.7	51.5	989.8	988.6	989.5	989.1	989.	52.4	989.4	989.2	990.6	990.3	53.4
11	987.	52.	986.9	987.1	988.3	988.6	990.4	52.6	991.7	990.2	991.9	992.	52.8
12	989.2	43.2	988.	987.9	986.8	985.5	986.6	43.8	985.	983.7	983.5	981.7	44.2
13	1022.6	‡57.1	1019.7	1021.3	1020.9	1022.7	1020 8	57.6	1022.2	1020.9	1020.6	1019.4	58.4
15	1002.5	55.	1002.3	1004.	1004.7	1004.3	1005.7	55.2	§1006.1	1004.6	1005.9	1006.4	55.4
16	1008.6	55.9	1009.	1010.7	1008.6	1008.2	1008.2	56.2	1008.	1007.5	1007.8	1007.	56.4
17	1014.8	58.5	1017.8	1018.9	1019.7	1020.8	1021.1	58.8	1021.9	‖1022.4	1023.8	1024.1	59.1
18	†994.6	53.	995.6	997 6	998.4	998.7	998.1	53.6	999.5	§1000.7	1001.4	1002.6	54.
19	985.8	52.	986.4	981.7	986.5	987.7	987.8	52.5	987.5	987.6	§989.5	990.6	53.2
20	985.9	50.8	985.6	984.6	985.6	984.9	983.3	51.1	983.7	984.1	983.	983.1	51.4
22	964.9	45.6	963.1	967.5	974.7	975.9	977.4	46.6	976.8	979.4	982.5	982.8	47.5
23	1008.7	53.5	§1007.2	1007.1	§1004.8	1005.2	1004.7	53.7	1004.2	1002.2	1001.8	1002.5	54.
24	1030.3	55.6	1030.8	1029.8	1031.	1029.9	1029.9	56.6	1028.9	1027.1	1027.8	1026.1	57.3
25	993.2	46.5	991.6	993.8	991.6	993.8	996.	46.4	997.8	996.	996.5	995.6	46.4
26	983.3	34.2	984.3	983.4	982.1	983.	980.9	34.2	981.1	982.3	979.9	978.7	34.3
27	981.8	36.	980.8	981.3	978.8	978.7	979.2	35.9	978.7	978.9	978.	978.1	36.3
29	989.	40.	987.4	988.	*987.9	987.8	986.6	40.2	988.4	†987.5	986.5	988.5	40.3
30	990.8	44.8	988 9	991.	989.9	992.	992.8	45.4	993.8	993.9	995.8	995.1	45.7
31	985.3	42.2	984.8	984 1	*983.2	985.6	986.5	41.9	985.7	985.5	986.	985.6	42.2
Means	992.6	49.5	992.5	992.7	993.2	993.3	993.2	49.9	993.6	993.6	994.2	993.9	50.4
Reduced to 32° F.	955.8		955.6	955.7	956.	955.9	955.6		955.8	955.6	955.9	955.3	

* Forty-five seconds late. † Two minutes late. ‡ Supplied. § One minute late. ‖ Thirty seconds late.

Göttingen time.. Observatory time.	*h. m.* 22 04 16 23½	Therm., Fah.	*h. m.* 22 10 16 29½	*h. m.* 22 16 16 35½	*h. m.* 22 22 16 41½	*h. m.* 22 28 16 47½	*h. m.* 22 34 16 53½	Therm., Fah.	*h. m.* 22 40 16 59½	*h. m.* 22 46 17 05½	*h. m.* 22 52 17 11½	*h. m.* 22 58 17 17½
Jan. 1.....	609.3	58.	612 4	615.1	618.6	622.8	625.8	59.2	629.	632.1	635.2	637.4
2.....	782.7	68.2	784.7	786.2	787.3	788.2	788.1	69.	789.1	789.7	789.9	790.3
3.....	730.4	63.3	729.2	727.6	726.2	724.7	723.4	62.2	722.1	720.2	718.4	716 8
4.....	730.3	64.4	730.8	731.4	731.8	*731.8	731.8	64.2	732.	731.7	731.6	730.8
5.....	674.7	65.4	682.7	690.	696.9	701.6	704.5	64.2	706.9	708.9	710.8	712.5
6.....	689.6	62.8	689.7	690.5	690.7	691.5	692.	62.9	692.7	693.8	695.3	696.8
8.....	769.8	66.4	769.	767.8	767.8	766.5	765.4	65.5	763.6	762.2	760.3	757.6
9.....	622.2	56.7	622.5	622.1	622.3	622.	622.6	56.3	622.2	622.	621.5	621.
10.....	738.3	65.9	738.5	739.8	740.7	741.5	742.5	66.2	743.1	743.1	743.8	744.5
11.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12.....	644.2	59.2	646.5	648 4	650.9	652 8	655.1	60.	657.5	659.8	661.5	663.7
13.....	703.5	60.3	701.9	700.3	699.5	698.9	698.	60.3	697.5	696.6	695.9	695.2
15.....	698.8	61.8	699.7	700.6	701.7	702.8	704.1	62.4	705.5	705.2	706 5	707.2
16.....	745.	65.5	746.	746.9	747.7	748.8	749.9	65.6	750.8	751.4	752.	752.3
17.....	748.8	66.1	750.7	752.2	753.7	754.1	755.	65.7	755.	754.9	754.9	754.
18.....	660.3	59.	659.8	659.6	659.1	659.8	659.5	59.3	659.3	660.	660.	660.1
19.....	760.	68.3	761.7	762.8	764.1	765.6	765.9	67.3	766.5	767.	767.6	767.9
20.....	696.	62.7	695.9	695.5	695.5	695.4	691.8	62.	694.3	693.8	693.1	693.
22.....	669.6	60.4	671.2	671.9	673.5	674.7	675.	60.6	676.6	677.4	677.4	677.1
23.....	712.2	63.7	714.2	715.7	717.5	†719.3	721 2	64.1	723.	724.8	726.1	727.1
24.....	779.8	68.4	780.3	780.9	782.	782.6	783.3	68.6	784.	785.1	785.6	786.3
25.....	555.3	50.9	556.	556.6	557.4	558.3	558.4	51.9	558.9	559.2	558.9	558.3
26.....	471.2	45.7	474.	476.	478.1	480.3	482.3	46.3	484.5	486.2	487.	489.9
27.....	521.9	49.3	523.8	525.7	525.1	530.	531.4	50.2	533.8	535.4	536.5	537.5
29.....	569.4	51.4	570.1	570.5	571.4	572.2	572.7	51.3	573.4	573 9	574.4	574.7
30.....	610.6	54.6	614.4	614.2	615.	615.9	616.2	54.5	617.1	618.3	619.	620.
31.....	595.1	52.8	595.	594.7	594.8	594.3	593.8	52 6	592.9	592.4	591.8	591.4
Means.....	672.7	60.4	673.9	674.7	675.7	676.8	677.4	60.4	678.1	678.7	679.	679.4

2008

	Göttingen time Observatory time	*h. m.* 23 04 17 23½	Therm., Fah.	*h. m.* 23 10 17 29½	*h. m.* 23 16 17 35½	*h. m.* 23 22 17 41½	*h. m.* 23 28 17 47½	*h. m.* 23 34 17 53½	Therm., Fah.	*h. m.* 23 40 17 59½	*h. m.* 23 46 18 05½	*h. m.* 23 52 18 11½	*h. m.* 23 58 18 17½	Therm., Fah.
2052	Jan. 1	610.1	60.3	643 3	645.3	648.2	650.3	653.1	61.3	655.9	658.7	661.9	663.9	61.9
	2	789.5	69.2	790.7	789.3	792.	791.9	792 9	‡69.4	793.7	794.6	795.2	796.	69.8
	3	715.2	62.	713.6	712.3	711.1	710.	708 3	61.7	707.3	705.9	704.6	703.2	61.2
	4	729.5	63.	728.	727.7	721.7	723.6	721.4	62.	719.7	717.	715 1	713.2	61.7
	5	711.9	63.6	712.9	713 1	713.4	713.2	712.7	63.1	712.9	713.1	712.1	711.9	62.7
	6	697.3	63.4	700.	701.4	702.9	704.8	707.3	64.5	708.4	711.1	712.6	715.	65.
	8	756.5	64.2	754.	752.9	750.6	746.6	744.7	62.8	739.3	735.2	731.2	727.3	61.6
	9	620.3	56.3	620.3	620.3	620.3	620.5	620.7	56.6	621.4	621.9	622.5	622.9	56.8
	10	744.6	65.4	744.7	744.4	713.8	743.9	743.4	64.9	742.3	741.6	742.3	742.3	64.9
	11	.....	....	.....	.....	.....	†731.4	†732.2	....	†733.2	†734.5	† 735.5	†736.5	....
	12	665.4	60.5	667 2	668.7	670.9	672.3	674.5	61.2	675 7	677.6	678.7	680.8	61.6
	13	694.3	60.7	694.1	694.3	695.5	696.3	697.7	61.9	699.2	701.1	702.8	704.6	63.1
	15	707.5	62.3	708.6	708.3	709.4	710.8	710.6	62.7	711.3	712.4	713.4	714.3	63.4
	16	752.7	65 9	753.2	753.7	753.9	754.6	755.1	66.1	755 9	756.8	757.2	757.8	66.5
	17	753.6	65.3	753.4	753.3	753.1	753.	752.8	65.3	752.8	752.8	752.8	752 8	65.3
	18	660.	59.1	659.9	660.	660.1	660.4	660.6	59.4	660.9	661.6	661.7	662.2	59.9
	19	767.7	66.9	767.5	767.4	766.6	766.	765.2	65.9	763.8	763.3	762.	760.8	65.1
	20	692.5	61.5	691.9	691.2	691.	690.9	690.6	61.1	690.	689.7	688.6	687.9	60.8
	22	676.5	59.8	675.8	675.1	674.5	673.9	673.4	59.3	672.9	672.6	672.9	671.9	59.3
	23	727.6	64.	728.	728.5	728.6	728.5	728.6	63.8	728.7	728.9	728.8	729.	63.9
	24	786.9	68.9	787.8	788 5	789.5	790.	789.6	69.	790.6	790.9	790.8	791.1	68.4
	25	558.	51.3	557.9	557.4	557.6	556.3	556.2	51.	555.	554.4	553.7	551.6	50.6
	26	491.	46.6	492.8	494.	494.9	496.	496.1	46.2	496.3	496.9	497.	496.1	45.9
	27	539.1	50.1	540.2	540.9	541.8	542.1	542.4	49.6	542.4	542.7	542.4	540.9	48.4
	30	574.1	51.	572.3	570.4	567 9	564.8	562.2	49.4	560.8	558.9	557.5	555.7	48.5
	30	620.8	55.6	621.9	622.9	624.1	625.2	626.7	56.2	627.8	628.5	629.2	629.7	55.9
	31	591.1	52.5	*590.7	590.	589.2	588.6	588.	52.2	587.9	587.6	587.1	586.1	51.9
	s.	679.4	60.4	679.6	679.7	679.8	679.9	679.9	60.3	679.8	679.8	679.8	679.7	60.2
	reed to 32° F	296.		296.2	296.3	296.4	296 5	296.5		296.7	297.1	297.4	297.7	

2009

[97]

* 4m secs. late. † These observations have been omitted in calculating the means, If the set had been complete, it would have made the means of this maximum about 1.8 higher. ‡ Supplied.

Göttingen time.. Observatory time.	*h. m.* 12 24 6 53½	Therm., Fah.	*h. m.* 12 40 6 59½	*h. m.* 12 46 7 05½	*h. m.* 12 52 7 11½	*h. m.* 12 58 7 17½	*h. m.* 13 04 7 23½	Therm., Fah.	*h. m.* 13 10 7 29½	*h. m.* 13 16 7 35½	*h. m.* 13 22 7 41½	*h. m.* 13 28 7 47½
Jan 1	531.4	50.	532.5	533.4	534.6	535.3	535.8	49.8	536.	535.9	535.9	535.9
2	690.6	60.4	690.2	689.5	689.1	688.2	687.3	59.7	685.6	681.2	681.9	679.9
3	723.5	62.3	726.8	725.	723.6	722.	720.5	62.	718.6	716.8	716.	714.9
4	668.4	58.7	666.4	665.6	665.	644.4	663.6	58.	662.7	661.6	660.	658.6
5	653.6	57.	651.8	650.5	648.8	647.1	644.1	56.3	642.1	639.1	637.2	635.1
6	590.5	54.7	590.7	590.8	590.4	590.6	590.6	54.	590.3	588.4	588.5	587.2
8	679.4	59.3	678.3	677.7	676.8	675.8	675.	59.	674.1	673.	672.3	670.6
9	578.1	52.2	577.2	576.6	575.9	575.3	575.5	52.1	575.4	575.5	575.	574.
10	606.	54.9	605.8	604.8	604.3	603.7	603.1	54.2	602.4	601.3	600.9	600.2
11	598.9	54.9	599.	599.	598.3	598.7	599.	54.8	599.2	599.5	600.4	601.4
12	528.6	49.3	526.9	527.6	527.3	527.2	527.	49.1	526.7	526.5	526.5	526.
13	664.4	60.	665.8	667.5	669.4	670.9	672.3	60.8	671.9	677.5	678.9	679.2
15	626.1	56.5	626.1	625.9	625.9	626.2	626.1	57.	626.6	627.3	627.8	629.1
16	750.1	64.3	719.2	748.7	748.1	746.5	746.1	63.2	743.1	*741.2	739.3	736.4
17	730.7	63.	729.2	727.6	726.3	725.8	724.4	62.3	723.	721.7	720.5	719.2
18	635.7	57.4	636.	636.	636.2	636.2	635.6	56.8	635.5	635.2	†634.1	633.7
19	653.6	59.	653.7	653.8	653.9	653.5	653.6	58.2	653.3	652.7	651.5	650.6
20	703.9	61.6	702.6	701.	698.1	697.8	695.	60.	692.2	690.4	687.2	684.5
22	451.5	43.	452.7	454.5	457.4	458.7	460.9	44.	462.	465.3	467.	468.1
23	612.4	55.9	613.1	614.4	615.8	617.2	618.7	56.3	620.3	621.4	622.7	623.7
24	661.5	57.6	659.4	657.4	655.5	653.4	651.6	56.8	649.4	647.6	645.2	643.
25	637.9	56.	636.	634.	632.2	629.4	628.1	55.	624.4	622.1	620.2	618.4
26	415.	40.8	413.	412.6	412.2	411.9	411.8	40.8	411.4	412.2	413.2	415.2
27	433.3	41.8	433.8	434.4	435.1	434.7	432.5	42.1	433.	432.8	433.	432.7
29	534.7	48.6	536.9	537.9	537.8	538.9	539.6	49.	541.8	542.8	544.8	545.6
30	550.4	49.1	550.4	550.5	550.7	551.1	551.1	49.2	551.	551.2	550.4	549.7
31	576.7	51.3	575.9	575.1	573.8	572.7	570.1	50.5	567.3	564.8	562.3	560.6
Means	610.8	54.8	610.5	610.1	609.7	609.4	608.8	54.5	608.2	607.7	607.1	606.4

Göttingen time..... Observatory time.....	*h. m.* 13 34 7 53½	Therm., Fah.	*h. m.* 13 40 7 59½	*h. m.* 13 46 8 05½	*h. m.* 13 52 8 11½	*h. m.* 13 58 8 17½	*h. m.* 14 04 8 23½	Therm., Fah.	*h. m.* 14 10 8 29½	*h. m.* 14 16 8 35½	*h. m.* 14 22 8 41½	*h. m.* 14 28 8 47½	Therm., Fah.
Jan. 1.....	536.3	50.	537.	537.5	538.1	539.5	540.4	51.2	541.9	543.9	545.6	548.5	52.8
2.....	677.6	59.	675.9	674.	672.1	670.8	669.5	58.6	668.2	667.2	666.	665.3	58.2
3.....	713.6	61.8	711.7	709.9	708.2	706.9	705.4	61.2	704.3	703.3	701.8	700.9	61.
4.....	655.7	57.5	651.3	651.3	649.8	648.	645.7	56.9	644.5	642 1	640.4	639.3	56.4
5.....	629.4	55.4	627.4	*622.6	619.4	617.3	614.9	54.4	611.4	608.5	606 3	601.9	53.8
6.....	*587.1	53.7	586.5	586.1	584.9	584.5	583.7	53.4	583.5	582.2	581.5	581.	53.8
8.....	669.7	†59.4	669.2	668.4	667.5	667.1	667.1	59.9	667.3	668.	668.8	668.9	60.
9.....	573.4	51.7	573.3	572.	570.7	570.	568.7	51.	567.3	566.	565.	*563.9	†50.5
10.....	600.3	54.	*599.6	599.6	599.1	598.7	598.8	53.9	598.8	598 9	598.8	598.7	53.6
11.....	602.2	55.3	602.7	603.2	603.2	603.2	602.5	55.2	602.5	601.4	601.7	600.	55.2
12.....	525.2	49.	521 9	524.6	524.2	521.7	523.8	48.7	523.8	524.	*522.8	522 5	48.3
13.....	681.7	60.7	*683.6	682.5	683.5	683.8	683.9	61.	684.5	684.6	685.4	686.5	61.6
15.....	630.3	57.6	631.1	632.7	633.6	634.6	636.1	58.2	637.8	639.6	641.5	643.7	58.8
16.....	734.	62.2	731.	729.7	727.2	725.	723.1	61.9	721.5	720.1	718.9	718.	61.6
17.....	718.3	62.	717.2	716.1	714.5	713.3	711.8	61.3	710 7	709 4	708 7	707.7	61.
18.....	632.5	56.3	631.8	630.8	630.3	628.9	628.1	56.	627.2	626.3	625.1	624.6	56.1
19.....	648.9	57.4	648.	646.2	644.9	643.6	642.4	57.3	641.4	640.6	639.9	639.7	57.7
20.....	682 3	59.	679.6	677.3	675.	673.6	671.5	58.3	669.5	667.3	665.	662.7	57.7
23.....	470.8	44.8	471.8	473.4	474.5	476.4	478.4	45.2	480.	481.7	483.9	486.	46.
23.....	624.8	56.4	625.4	626.	626.3	626.6	626.1	56.1	627.	627.4	627.9	628.3	56.2
24.....	641.1	56.4	639.5	637.9	636.1	635.3	631.3	56.1	633.3	632.5	631.9	631.2	56.4
25.....	616.1	53.7	613.7	611.2	608.3	605.4	602.4	53.	599.6	596.7	593.9	591.3	52.2
26.....	416.4	40.8	418.7	419.9	420.8	421 5	422.	40.8	423.2	422 7	423.3	423.1	40.
27.....	432.7	42.	433.3	433.1	433.4	434.3	435.3	42.	436.2	437.5	439.	440.	†42.
29.....	546.6	49.5	547.1	548.7	550.	549.4	547.1	49.	546.5	546.	545.	544.4	48.
30.....	549.6	48.9	549.3	548.5	548.1	547.5	546.8	48.6	546.7	546.7	546.8	547.2	48.8
31.....	557.9	49.8	555.5	553.2	552.6	551.9	550.3	49.5	549.7	548.8	548.8	549.3	49.8
Means.....	605.7	54.2	605.	604.3	603.6	603.	602.2	54.	601.7	601.2	600.8	600.6	54.
Reduced to 32° F.....	306.		305.8	305.7	305.5	305.5	305.2		304.7	304.2	303.8	303.6	

* One minute late. † Supplied. ‡ Thirty seconds late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
Feb. 1	563.9	561.2	560.2	561.2	564.5	564.3	555.1	555.7	557.5	558.5
2	559.7	559.	559 5	560.9	560.8	560.1	559.2	559.5	558.9	557.7
3	569.6	571.5	570.5	568.5	568.1	567.4	566.9	566.2	564.	561.
5	556.8	556.	556.4	556.6	556.1	556.1	555.6	553.6	553.8	554.6
6	566.5	563.	560.2	557.1	557.	557.1	558.	558.5	558.	558.4
7	557.7	557.2	557.1	555 4	553.9	554.4	555.1	554.	553.6	554.2
8	557.9	557.6	556.	556.9	557.6	558.	558.3	557.2	558.6	558.9
9	559.1	557.8	557.5	557.8	558 2	558.	557.9	557.3	557.4	557.7
10	556 1	556.6	557.1	556.5	555.7	556.4	554.9	555.3	555.6	556.9
12	556.9	557.5	557.6	557.6	557.9	557.7	557.5	557.8	558.2	558.1
13	561.4	563.8	563.3	563.7	561.4	562.	562.1	562.	561 2	559.9
14	560 5	560.7	560.5	560.1	560.4	560.1	560 3	560.	560.1	560.7
15	557.7	557.6	557.3	558.3	560.	556.5	554.2	554.4	556.3	559.5
16	558.1	558.4	558.5	558.8	558.9	559.	559.1	559.	†559.	558.3
17	559.5	560.5	560.	558.1	557.8	558.2	557.2	557.4	557.	556.6
19	557.5	557.8	557.9	557.3	557.6	558.2	557.7	557.8	557.7	558.
20	555.8	556.	556	553.5	551.8	552.1	553.2	554.3	556.3	556.8
21	557.4	557.1	557.1	557.9	558.7	558.5	558.7	557.2	557.8	557.9
22	558.9	559.	559.	559.	560.5	561.4	562.1	561.	560.	559.1
23	557.6	557.7	557.8	557.8	557.8	558.1	557.7	558.1	558.4	558.5
24	558 3	558.1	558.5	557.7	556.2	558.7	558.6	558.5	559.4	559.8
26	558.	557.9	557.8	557.6	557.7	557.7	558.	557.	557.4	†557.5
27	559.2	559.1	558.9	558.	557.6	558.	558.7	559.6	561.4	561.2
28	558.2	559 2	559.	558.9	557.4	558.2	558.5	558.8	559.6	559.1
*29	564.7	563.3	560 4	555.6	555.7	554.4	558.4	554.2	557.6	561.1
Means	559.5	559.5	559.	558 4	558.3	558.4	557.9	557.8	557.9	558.4

Göttingen time Observatory time	*h. m.* 7 00 1 19½	*h. m.* 7 06 1 25½	*h. m.* 7 12 1 31½	*h. m.* 7 18 1 37½	*h m.* 7 24 1 43½	*h. m.* 7 30 1 49½	*h. m.* 7 36 1 55½	*h. m.* 7 42 2 01½	*h. m.* 7 48 2 07½	*h. m.* 7 54 2 13½
Feb. 1	559.2	564.	564.5	562.1	564.6	566.7	566.9	567.7	566.7	565.6
2	556.6	555.4	552.1	545.9	543.2	545.1	546.	547.5	549.	550.8
3	560.7	561.2	560.	561.1	561.4	560.	558.1	556 6	557.5	556.2
5	555.8	555.4	555.7	555.9	556.7	557.5	557.6	556.1	556.	555.1
6	558 1	557.1	555.5	555.	554.4	556.4	557.7	558.4	559.1	560.2
7	555.1	556.4	557.8	557.7	557.4	555.	552.5	548.7	548.8	549.
8	559.2	559.8	559.3	558.1	557.9	559.	559.9	560.	558.9	557.5
9	557.8	557.3	557.4	557.1	557.3	558.	558.1	557.9	557.8	557.7
10	558.	558.	559.4	559.5	559.4	558.5	557.9	555.5	555.2	555.4
12	558.3	558 2	558.2	558.5	558.7	558.2	558.5	558.3	558.5	558.5
13	559.9	561.2	561.9	561.	564.5	559.4	560.7	560.2	559.5	559.6
14	560.2	559.5	559.9	560.7	560.1	560.6	560.6	560.9	561.3	561.7
15	560.7	559.5	559.8	561.2	562.	560.2	559.1	559.2	559.2	559.6
16	558.4	558.2	558.8	559.2	558.8	559.1	†559.3	559.4	557.3	556 6
17	556.7	556.1	556.9	557.1	557.4	557.7	557.7	557.8	557.1	558.
19	558.	558.	558.1	558.	558.2	558.4	558.	558.7	558.5	558.8
20	556.3	556.4	556.3	556.4	556.5	555.6	556.	555.4	555.5	555.7
21	558.1	558.1	558.	557.2	558.5	557.7	557.8	557.9	558.2	558.2
22	557.1	556.9	554.7	555.5	558.1	560.2	561.	561.4	561.5	561.
23	558.4	558.5	559.	559.	559.	559.4	558.8	559.	559.8	559.5
24	559.3	560.	559.5	559.8	560.7	559.6	560.5	559.9	559.3	557.7
26	557.6	556.6	557.9	557.7	557.6	557.5	557.5	557.5	557.5	557.2
27	560.5	560.7	560.5	560.4	559.9	559.6	559.6	560.	560.1	560.4
28	559.5	557.6	558.3	558.8	558.4	559.3	559.8	559 3	559.7	560.
*29	562.8	561.	560.7	562.2	563.2	562.3	561.9	560.8	559.2	559.5
Means	558.5	558.5	558.4	558.2	558.5	558.4	558.5	558.2	558.1	558.

* See disturbance observations.

† One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
Feb. 1	547.8	547.4	548.2	548.2	548.9	548.2	548.1	548.4	‡548.6	‡549.7
2	544.4	545.7	544.8	543.2	546.3	544.1	545.1	546.7	547.3	546.
3	554.5	554.8	554.7	†552.7	552.6	552.9	551.8	550.9	551.8	551.9
5	546.6	546.8	547.	546.6	545.5	545.5	544.1	544.9	547.2	546.5
6	549.3	549.6	549.6	‡550.2	550 8	552.	552.4	554.	553.9	552.4
7	550.6	550.	550.5	547.8	549.2	550.1	551.1	552.	552.2	552.2
8	544.	543.6	545.4	544.9	546.	545.4	544.9	546.	546.5	547.2
9	552.8	552.7	552.5	552.7	552.3	552.4	552.	552.	552.3	551.9
10	552.1	552.2	553.3	553.7	553.4	553.3	‖553.2	553.2	553.5	553.2
12	553.7	553.9	554.2	554.6	554.2	553.8	553.3	553.8	†552.8	553.9
13	554.3	554.6	553.8	553.9	553.6	553.6	553.9	553.1	553.4	553.3
14	554.6	554.3	554.2	554.1	556.5	553.9	554.2	554.6	554.3	554.7
15	548.1	547.9	548.6	§549.	549.2	549.4	549.6	549.7	550.2	550.1
16	552.5	552.6	552.9	553.2	552.9	552.8	553.4	553.2	553.2	553.
17	546.7	546.3	546.5	546.9	546.4	546.4	546.9	546.9	547.5	547.5
19	550 2	550.2	550.	550.2	550.6	550.8	550.7	550.9	550.9	551.1
20	553.5	552.7	552.8	552.2	552.6	552.9	552.5	552.6	552.2	552.2
21	552.7	552.5	552.1	551.8	551.6	551.8	551.4	551.3	551.4	551.9
22	551.2	550.3	*550.	550.	549.9	549.6	549.3	549.6	549.1	549.
23	552.3	552.3	553.5	551.8	552.7	553.1	552.2	552.2	551 9	552.1
24	551.3	551.3	551.4	551.6	551.6	551.8	551.9	551.4	552 2	552.4
26	555.1	554.7	554.6	554.7	554.6	554.8	554.4	553.1	554 2	554.4
27	552.9	553.1	553.8	553.5	553.5	553.6	553.7	554.	554.3	553.6
28	553 1	553.9	553 6	552.9	552.5	553.4	552.3	553.3	553.9	554.
29	552.6	551.8	547.5	549.5	550.1	550.8	550.7	548.9	548.8	547.6

2014

Göttingen time Observatory time	*h. m.* 2 00 20 19½	*h. m.* 2 06 20 25½	*h. m.* 2 12 20 31½	*h. m.* 2 18 20 37½	*h. m.* 2 24 20 43½	*h. m.* 2 30 20 49½	*h. m.* 2 36 20 55½	*h. m.* 2 42 21 01½	*h. m.* 2 48 21 07½	*h. m.* 2 54 21 13½
Feb. 1	559.7	559.8	559.5	559.	558.7	559.1	558.9	558.3	558.4	558.3
2	564.1	563.	560.3	557.4	558.4	555.3	553.7	557.3	559.4	562.8
3	564.6	565.7	565.9	562.9	553.4	550.8	557.9	565.4	565.5	565.
5	556.7	555.6	559.8	†559.7	566.	565.9	566.8	570.1	574.2	568.7
6	562.6	561.2	560.6	556.	560.	560.7	559.3	559.1	559.3	559.9
7	558.5	556.6	557.2	556.6	554.6	557.4	556.9	558.6	560.4	560.2
8	568.7	574.9	574.5	570.2	567.4	562.8	562.3	562.4	562.2	563.9
9	560.4	559.5	561.1	560.3	560.9	560.6	560.4	562.9	564.7	562.6
10	559.7	560.4	559.	558.9	558.6	558.1	558.4	558.1	557.7	557.8
12	558.1	557.4	558.1	559.3	558.4	558.3	558.1	558.3	558.3	558.7
13	557.8	557.9	557.8	557.4	557.1	557.5	557.3	558.	557.5	557.5
14	558.5	557.6	558.	557.8	557.8	557.9	558.1	558 3	558.2	557.9
15	557.5	558.	558.2	557.6	557.7	557.8	557.	557.5	557.6	557.5
16	558.3	558.6	559.3	559.	‡559.3	558.8	558.6	558.3	558.7	559.4
17	563.5	563.7	562.2	562.5	562.3	562.	563.	564.2	564.9	565.1
19	558.4	558.	557.7	557.5	557.8	557.5	557.6	557.7	558.2	557.7
20	559.5	560.3	559.8	560.1	560.7	560.4	560.6	560.3	560.2	559.9
21	557.5	557.8	558.	557.7	558.	557.1	557.7	558.4	559.5	559.1
22	559.1	559 2	559.5	559.1	559.2	559.2	559.2	558.9	559.	558.9
23	557.	556.8	557.6	557.2	556.5	556.2	555.8	556.	556.2	556.
24	558 9	558.5	558.9	559.	559.2	560.2	556.9	559.1	559.3	559.1
26	558.4	558.5	557.9	558.	557.9	557.5	557.5	557.7	557.6	557.8
27	558.7	558.9	558.4	558 5	556.8	558.3	558.5	559.4	559.	558.6
*28	556.6	555.9	555.4	554.8	556.	554.8	556.1	557.3	557.6	555.9
29	557.6	558.5	558.3	558.5	557.7	557.2	556.6	558.1	558.1	557.2
Means	559.6	559.7	559.7	559.	558.7	558.5	558.5	559.6	560.1	559.8

* See disturbance observations. † Registered 569.7. ‡ One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Feb. 1	558.1	557.9	558.5	558.8	559.2	558.7	557.7	557.4	559.4	560.5
2	563.2	561.1	558.3	558.6	557.3	561.4	561.	561.4	563.7	564.2
3	563.9	564 5	570.5	571.3	568.1	565.	563.	564.5	563.7	563.8
5	560.5	560.	563.2	566.4	567.2	565.3	562 6	562.6	564.	565.9
6	560.3	559.9	559.7	559.2	559.1	559.5	559.6	558.8	557.9	558.3
7	560.6	561.7	560.5	560.5	560.1	560.9	560.5	560.1	560.	563.3
8	565.8	566.6	556.2	564.2	563.3	561.9	560.1	559.4	559.4	558.4
9	560.7	559.1	560.1	562 6	561.8	561.8	561.4	560.2	561.1	564.5
10	558.1	557.9	557.9	557.9	558.6	558.5	559.1	558.5	558.9	559.
12	558.4	558.5	558.7	559.1	558.5	557.8	557.3	558.	559.8	559.8
13	557.3	557.3	557.2	557.3	556.9	557.6	558.4	559.	558.1	559.
14	557.9	558.2	557.9	558.1	557.5	557.5	558.5	558.9	558.3	558.
15	557.6	558.3	557.8	557.3	558.7	558.3	558.	557.6	558.4	558.2
16	559.4	560.2	559.9	559.8	559.2	558.6	558.6	558.3	558.5	558.6
17	563.3	563.9	564.7	565.2	564.7	564.	561.9	†560.2	560 6	561.1
19	558.	558.5	561.5	561.	561.7	560.1	558.8	558.1	559.	558.6
20	559.7	559.7	559.5	559.3	559.1	559.4	558.5	558.9	559.	559.1
21	558.4	557.8	558.1	558.3	558.5	558.9	558.5	559.	558.9	558.7
22	558.7	558.9	559.	558.5	559.	559.2	559.4	559.4	559.1	558.7
23	556.4	556.7	556.8	557.1	557.6	558 4	557 6	557.7	557.3	557.
24	559.1	559.	559.1	559.1	559.	559.3	560.2	559.1	559.1	558.5
26	557.8	557.7	557.8	557.7	558.	558.8	558.7	558.9	558.3	5 8.1
27	558.4	558.7	558.7	558.7	557.5	559.	558.8	559.6	557.8	559.3
*28	556.2	557.5	558.5	561.	561.7	560.	563.6	575.2	590.8	600.8
29	557.8	558.5	559.1	559.3	559.	559.2	558.3	560.4	559.5	558.6

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
Feb. 1	555.8	554.7	555.4	558.7	560.3	559.8	560.8	559.7	558.7	558.1
2	559.5	560.9	560.8	560.6	560.2	560.9	560.4	562.1	562.	561.8
3	562.7	561.3	561.	560.	561.3	564.	564.1	560.4	560.8	561.3
5	560.3	560.2	561.8	561.6	560.9	563.4	564.9	566.	566.7	567.6
6	562.9	563.6	563.6	565.8	566.4	566.9	566.7	566.7	566.6	565.
7	562.6	562.1	562.1	561.8	562.1	562.7	561.5	561.4	561.6	562.2
8	570.7	569.5	568.7	568.6	568.9	570.7	570.2	569.5	569.2	569.3
9	561.5	561.	561.3	560.4	561.	562.2	561.2	562.1	560.9	561.1
10	562.	562.	562.7	563.	563.	563.6	563.9	563.5	563.1	561.6
12	559.6	560.6	560.7	559.9	560.3	560.5	559.9	560.8	560.6	561.
13	563.7	563.1	562.8	561.9	561.7	562.3	561.6	561.2	561.5	561.9
14	561.1	559.4	560.7	559.7	559.6	559.2	559.4	559.1	559.9	559.2
15	563.1	563.3	562.4	562.8	562.8	562.5	561.7	561.3	560.	560.3
16	562.	561.9	561.2	561.8	562.4	562.6	562.4	562.1	561.7	561.
17	562.1	563.3	562.3	562.2	562.6	562.	561.1	561.4	561.9	561.4
19	563.8	562.4	562.3	562.1	561.7	561.9	561.7	562.	561.9	562.6
20	563.9	563.6	564.7	563.3	562.5	562.6	562.4	562.8	562.2	563.
21	563.7	563.4	564.8	564.6	564.2	564.1	563.	563.4	562.9	561.7
22	565.9	567.2	565.7	566.9	567.1	566.5	566.5	566.6	567.	566.3
23	561.3	563.5	564.4	565.	565.	565.1	565.	565.1	565.2	564.
24	562.9	562.7	562.4	563.4	562.9	562.9	563.2	562.4	562.	562.5
26	562.2	562.	560.9	561.1	561.8	563.6	565.4	564.7	562.7	561.1
27	564.	563.8	563.9	564.6	565.3	565.8	565.1	565.2	564.5	564.
28	563.9	562.3	563.1	561.9	563.7	562.3	563.7	562.3	563.1	562.9
*29	559.9	559.5	561.6	561.2	561.1	560.9	560.9	560.7	561.4	562.2
Means	562.4	562.3	562.5	562.5	562.8	563.2	563.	562.9	562.7	562.4

* See disturbance observations.

Göttingen time Observatory time	*h. m.* 11 32 5 51½	Therm., Fah.	*h. m.* 11 38 5 57½	*h. m.* 11 44 6 03½	*h. m.* 11 50 6 09½	*h. m.* 11 56 6 15½	*h. m.* 12 02 6 21½	Therm., Fah.	*h. m.* 12 08 6 27½	*h. m.* 12 14 6 33½	*h. m.* 12 20 6 39½	*h. m.* 12 26 6 45½	Therm., Fah.
Feb. 1	975.8	41.	977.5	979.9	979.9	977.	976.3	41.2	974.9	980.3	979.6	982.4	41.6
2	1004.9	52.9	1003.8	1003.	1004.2	1004.5	1003.	53.	1004.	1008.6	1009.9	1010.1	53.2
3	1014.9	52.	1014.9	1014.3	1013.3	1014.2	1012.9	51.9	1013.	1012.8	1013.2	1012.8	51.6
5	1001.4	44.8	997.4	999.2	999.7	1001.	1003.4	44.8	1004.7	1005.4	1008.4	1009.8	44.5
6	1012.8	51.5	1014.6	1018.4	1014.8	1013.5	1011.8	51.8	1011.8	1013.1	1012.9	1014.	51.9
7	1017.4	55.2	1016.7	1016.4	1015.6	1016.	1017.8	55.	1018.4	1017.5	1017.8	1018.4	54.8
8	1028.	56.6	1028.6	1030.3	1031.5	1032.7	1031.2	56.4	1028.2	1027.5	1026.3	1025.7	56.2
9	1000.2	45.	1001.1	999.1	1000.9	1000.4	1000.5	44.5	998.5	1001.	999.4	998.9	44
10	983.	39.	982.3	982.5	980.1	981.5	981.	38.9	981.3	982.3	981.2	981.4	38.9
12	993.1	43.6	994.6	993.5	994.1	993.6	994.7	43.3	995.2	996.	996.1	993.7	43.3
13	1000.2	48.6	1002.	999.1	1000.5	1001.2	1002.	48.4	1002.1	1002.8	1002.1	1001.	48.
14	1007.5	51.8	1007.9	1008.8	1009.1	1008.8	1009.1	51.8	1008.5	1008.	1008.7	1007.3	51.6
15	1013.6	52.3	1013.7	1011.4	1011.8	1010.	1008.9	52.3	1007.	1007.6	1007.7	1009.4	52.1
16	1019.3	54.7	1018.5	1017.5	1015.3	1016.5	1015.9	54.4	1017.1	1017.7	1016.6	1016.7	†54.1
17	1007.4	53.2	1008.9	1006.6	1007.2	1007.7	1006.2	53.2	1005.2	1006.5	1007.5	1007.5	53.5
19	996.	46.9	997.4	996.5	993.9	996.7	994.6	46.9	996.8	996.4	998.7	998.5	46.9
20	1010.	56.6	1010.	1010.5	1004.3	1011.5	1010.1	56.6	1011.4	1011.6	1010.2	1013.	56.4
21	1013.4	55.5	1012.1	1012.6	1013.6	1015.7	1012.9	55.2	1017.7	1016.9	1017.5	1016.7	54.5
22	1027.7	60.4	1026.7	1026.5	1026.4	1026.	1026.1	60.	1025.6	1024.1	1024.3	1024.2	59.6
23	1021.8	58.7	1022.	1023.1	1021.5	1022.	1022.	58.5	1022.6	1024.4	1023.6	1024.1	†58.4
24	1018.8	56.	1018.3	1017.8	1018.9	1020.3	1016.5	55.7	1017.	1017.7	1018.4	1019.8	55.3
26	1002.1	51.2	1001.2	1000.7	1001.7	1000.5	1001.7	51.5	1003.	1003.1	1003.3	1002.8	51.5
27	1026.8	61.2	1027.	1024.9	1025.5	1026.	1023.9	61.1	1025.	1025.5	1025.	1025.5	61.1
28	1012.3	58.	1013.1	1013.1	1013.7	1014.1	1013.4	57.7	1013.9	1013.4	1015.	1013.9	57.1
*29	1052.2	63.5	1055.3	1056.5	1057.8	1055.1	1054.5	63.7	1051.5	1054.	1048.3	1046.	64.
Means	1010.4	52.4	1010.7	1010.5	1010.2	1010.7	1010.	52.3	1010.3	1011.	1010.9	1010.9	52.2

2015

Göttingen time. Observatory time.	*h. m.* 21 02 15 21½	Therm., Fah.	*h. m.* 21 08 15 27½	*h. m.* 21 14 15 33½	*h. m.* 21 20 15 39½	*h. m.* 21 26 15 45½	*h. m.* 21 32 15 51½	Therm., Fah.	*h. m.* 21 38 15 57½	*h. m.* 21 44 16 03½	*h. m.* 21 50 16 09½	*h. m.* 21 56 16 15½
Feb. 1	1023.9	49.1	†1029.4	1031.4	1036.4	1035.2	1031.7	49.7	‡1033.2	1029.6	1023.4	1013.1
2	1001.	57.3	1003.6	1003.8	1002.9	1003.6	1005.5	57.6	1006.6	1004.1	1004.	1003.6
3	1009.4	57.4	1010.3	1009.7	1010.7	1012.4	1011 2	57.6	1012.5	1010.	1005.7	1008.1
5	1013.6	50.	1009.	1009.1	‡1016.2	1017.9	1015.1	50.6	1021.3	1020.	1023.	1030.2
6	1011.8	56.2	1014.1	1016.9	1014.	1015.8	1016.1	56.2	1017.2	1017.4	1017.1	1020 5
7	1031,2	60.2	1033.9	1030.1	1038.4	1046.9	1054.6	61.1	1064.9	1064.7	1069.5	1070.1
8	1021.	55.9	1021.1	1024.2	1027.8	1029.7	1027.6	55.8	1027.1	1028.3	1027.2	1025.5
9	995.4	48.9	996.3	996.3	995.5	997.1	995.3	48.9	995.7	996.2	995.3	995.5
10	1012.9	44.7	1012.6	1012.1	1013.9	1013.	1009.5	44.6	1008.3	1007.5	1008.4	1007.6
12	1007.4	54.2	1008.6	1010.	1010.5	1006.1	1006.6	54.9	1008.2	1011.8	1013.2	1014.3
13	1008.2	53.2	1009.	1008.8	1009.	1010.6	1009.9	53.6	1009.8	1010.8	1010.2	1012.9
14	1004.9	56.9	1006.5	1006.2	1007.8	1009.	1008.4	57.4	1009.3	1009.3	1010.2	1010.1
15	1014.	53.4	1014.9	1017.	1018.1	1020.6	1021.4	53.7	1024 8	1026.7	1023.9	1026.6
16	1016.	55.7	1019.3	1021.1	1022.4	1024.4	1023.1	55.8	1028.1	1025.9	1024.4	1026.8
17	1010.5	55.2	1009.7	1007.4	1011.5	1012.7	1013.3	55.4	1014.5	1010.7	1014.7	1016.
19	1010.5	56.3	1012.3	1010.3	1011.2	1010.8	1011.1	57.	1010.2	1011.3	1010.8	1012.1
20	1032.4	63.4	1025.3	1025.7	1025.5	1023.4	1023.4	63.5	1024.8	1023.9	1025.3	1023.5
21	1029.8	63.5	1029.4	1030.	1028.2	1028.	1027.3	63.3	1027.3	1027.8	1026.5	1026.3
22	1039.8	62.2	1038.9	1037.3	1038.7	1036.	1036.1	62.1	1035.4	1032.9	1034.5	1034.
23	1033.3	63.7	1033.8	1034.1	1035.2	1036.4	1035.9	64.3	1036.1	1036.7	1036.6	1039.6
24	1003.8	55.1	1007.3	1004.8	1006.9	1005.	1006.1	55.3	1003.	1004.9	1002.7	1004.5
26	1019.1	56.9	1017.5	1022.	1020.8	1019.8	1020.5	57.	1019.5	1021.4	1019.6	1019.1
27	1034.4	63.4	1034.9	1032.9	1033.	1033.2	1032.9	64.2	1032.4	1033.3	1031.5	1032.
28	1046.2	62.4	1045.	1051.2	1050.7	1051.1	1056.4	62.6	1059.2	1055.8	1057.2	1058.1
29	*1045.1	65.6	1043.4	1043.7	1046.	1043.9	1044.7	66.3	1047.1	1047.4	1046.4	1044.6
Means	1019.	56.8	1019.4	1019.8	1021.2	1021.6	1021.7	57.2	1023.1	1022.7	1022.7	1023.
Reduced to 32° F.	966.9		967.1	967.3	968.5	968.8	968.8		970.2	969.8	969.8	970.1

* One minute late. † Forty-five seconds late. ‡ Three minutes late.

SECOND MAXIMUM OF HORIZONTAL FORCE—Continued.

Göttingen time Observatory time	*h. m.* 22 02 16 21½	Therm., Fah.	*h. m.* 22 08 16 27½	*h. m.* 22 14 16 33½	*h. m.* 22 20 16 39½	*h. m.* 22 26 16 45½	*h. m.* 22 32 16 51½	Therm., Fah.	*h. m.* 22 38 16 57½	*h. m.* 22 44 17 03½	*h. m.* 22 50 17 09½	*h. m.* 22 56 17 15½	Therm., Fah.
Feb. 1	1020.7	50.2	1019.4	1014.4	1008.	1005.7	1003.7	51.	999.3	999.	1001.3	1000.7	52.1
2	1002.3	57.5	1000.8	1002.4	1003.9	1001.4	1003.8	57.5	1004.1	1004.3	1008.9	1006.	57.6
3	1008.	57.6	1005.8	1007.9	1011.7	1020.5	1021.6	57.8	1020.7	1020.3	1021.2	1019.8	57.8
5	1027.8	50.9	1022.2	1014.4	1012.9	1017.3	1021.3	51.5	1020.8	1016.2	1012.6	1010.8	51.8
6	1027.9	56.1	1022.7	1021.8	1021.	1021.5	1019.2	56.3	1019.6	1019.6	1020.7	1021.9	56.5
7	1061.8	61.7	1057.6	1053.5	*1052.5	1050.3	1049.2	62.5	1046.	1042.4	1042.9	1042.3	63.
8	1024.9	55.4	1023.2	1023.	1023.1	1023.9	1025.7	54.8	1024.7	1023.7	1025.6	1021.5	54.7
9	995.3	48.7	995.	995.7	996.2	995.9	997.6	48.8	997.6	998.1	997.	999.	48.7
10	1006.7	44.3	1006.8	1009.6	1007.5	1007.5	1003.5	44.2	1003.7	1003.7	1003.5	1004.5	44.
12	1014.2	55.4	1014.	1013.9	1014.1	1014.6	1015.	56.2	1016.	1015.6	1016.	1016.4	56.6
13	1010.5	53.9	1014.	1011.9	1012.	1012.	1015.6	54.3	1016.8	1017.5	1018.1	1013.7	54.6
14	1011.6	57.7	1016.1	1012.5	1013.1	1013.1	1010.2	57.8	1011.7	1011.5	1014.2	1012.4	57.6
15	1026.5	53.9	1026.5	1025.1	1024.8	1023.9	1023.1	54.	1022.9	1021.6	1023.5	1022.3	54.1
16	1026.3	55.7	1024.	1023.6	1026.8	1025.9	1028.	56.	1024.5	1027.7	1026.3	1027.3	56.2
17	1018.7	55.3	1016.	1014.8	1014.5	1014.4	1015.2	55.5	1012.4	1011.	1011.5	1011.4	55.8
19	1010.3	57.3	1010.5	1010.8	1011.2	1011.1	1011.6	57.7	1011.2	1012.	1012.8	1012.3	57.8
20	1024.1	63.9	1024.2	1024.2	1026.7	1026.1	1026.1	63.3	1028.5	1028.	1027.3	1026.4	63.3
21	1026.6	63.3	1029.	1026.7	1027.1	1027.2	1027.8	63.3	1026.7	1027.2	1027.4	1027.3	63.3
22	1032.9	62.3	1035.1	1035.2	1035.2	1035.8	1034.3	62.2	1032.4	1033.	1033.2	1033.4	62.1
23	1038.8	64.9	1036.3	1038.4	1038.9	1039.1	1039.3	65.5	1039.9	1040.6	1041.8	1041.2	65.9
24	1005.8	55.	1007.	1008.2	1009.9	1008.9	1009.6	55.1	1012.5	1009.7	1008.9	1007.3	55.1
26	1015.3	56.9	1018.4	1019.5	1017.2	1018.4	1017.6	56.9	1015.5	1018.1	1016.7	1016.2	57.
27	1032.7	62.8	1031.8	1031.3	1030.6	1030.9	1030.5	62.2	1029.6	1030.	1029.1	1028.1	61.8
28	1058.3	62.7	1054.9	1060.2	1064.1	1066.9	1072.2	62.6	1067.5	1065.6	1066.2	1068.1	62.6
29	1046.7	67.	1050.8	1053.6	1052.7	1056.	1060.5	68.	1062.7	1062.8	1060.	1058.6	68.9
Means	1023.	57.2	1022.5	1022.1	1022.2	1022.7	1023.3	57.4	1022.7	1022.4	1022.6	1022.3	57.5

Göttingen time.. Observatory time.	*h. m.* 1 02 19 21½	Therm., Fah.	*h. m.* 1 08 19 27½	*h. m.* 1 14 19 33½	*h. m.* 1 20 19 39½	*h. m.* 1 26 19 45½	*h. m.* 1 32 19 51½	Therm., Fah.	*h. m.* 1 38 19 57½	*h. m.* 1 44 20 03½	*h. m.* 1 50 20 09½	*h. m.* 1 56 20 15½
Feb. 1	1002.5	51.4	1004.	1004.8	1003.2	1005.4	1004.2	51.7	1003.9	1004.3	1005.3	1005.4
2	1031.	56.8	1036.5	1034.2	1034.	1029.9	1027.5	56.6	1024.4	1021.5	1024.	1028.5
3	1030.9	55.3	1028.5	1024.7	1033.2	1032.4	1027.1	54.7	1017.6	1017.3	1023.4	1032.9
5	1025.	50.9	1033.8	1031.4	1034.2	1032.1	1030.5	50.6	1029.5	1031.8	1011.3	995.3
6	1023.	56.7	1024.5	1024.7	1025.8	1024.9	*1019.9	56.9	1017.9	1017.7	1017.2	1018.5
7	1047.5	62.8	1045.3	1042.5	1044.6	1046.5	1049.3	†62.7	1050.6	1051.	1051.1	1053.4
8	1011.9	53.8	*1012.3	1013.	*1017.2	1019.4	1020.	53.7	1019.	1023.6	1022.	1022.4
9	1000.5	46.5	999.9	1000.4	999.8	998.2	999.3	45.8	999.5	998.2	998.7	999.8
10	1004.	43.3	1002.8	1002.3	1001.7	999.8	999.2	†43.3	997.5	996.3	995.3	994.3
12	1029.	55.7	1018.8	1018.	1018.3	1018.4	1018.3	55.3	1018.2	1019.	1019.3	1019.
13	1009.9	55.8	1008.7	1010.9	1011.2	1011.5	1010.3	56.1	1010.3	1010.8	1010.	1011.1
14	1012.	56.3	1013.1	1012.3	1012.1	1012.	1011.4	56.	1011.3	1011.7	1010.3	1009.7
15	1017.	54.9	1017.1	*1017.6	1018.2	1019.	1017.8	54.9	1018.7	1019.6	1018.1	1019.3
16	1016.7	55.9	1018.9	1020.9	1019.7	1020.4	1019.5	55.6	1018.6	1016.9	1016.	1017.5
17	1025.6	56.8	1024.4	1024.3	1019.3	*1018.4	1021.6	56.4	1025.	1026.1	1026.5	1026.8
19	1015.1	57.3	1015.4	1015.4	1016.	1017.1	1017.1	57.2	1016.2	1016.5	1018.4	1018.1
20	1022.2	61.2	1023.1	1023.5	1022.8	1021.8	1022.5	60.7	1023.5	1024.8	1024.4	1024.
21	1041.	61.7	1041.3	1043.3	1041.6	1043.3	1039.4	61.3	1038.7	1037.2	1036.1	1034.5
23	1032.2	61.3	1031.	1031.5	1031.	1030.4	1032.1	61.	1033.3	1033.6	1033.3	1033.1
23	1040.	65.7	1040.2	1040.4	1038.6	1040.1	1041.5	65.8	1041.3	1041.	1042.2	1040.1
24	1010.9	54.4	1010.7	1009.2	1009.	1010.4	1010.2	54.	1010.	1012.	1010.9	1011.8
26	1014.7	56.7	1015.4	1017.1	1015.6	1015.7	1016.3	56.7	1016.8	1016.2	1015.9	1014.6
27	1023.1	62.3	1025.	1024.8	1025.2	1025.8	1025.9	62.	1024.6	1025.	1026.	1025.5
28	1041.	62.8	1037.9	1041.8	1041.5	1042.9	1040.7	62.6	1041.	1041.	1040.4	1045.4
29	1063.2	69.5	1063.6	1063.1	1062.7	1061.3	1061.	69.1	1061.5	1062.4	1064.9	1064.6
Means	1023.6	57.	1023.7	1023.7	1023.8	1023.9	1023.3	56.8	1022.7	1023.	1023.4	1023.
Reduced to 32° F.	971.1		971.3	971.3	971.5	971.7	971.2		970.6	970.9	970.4	971.

* One minute late.

† Supplied.

Göttingen time Observatory time	*h. m.* 2 02 20 21½	Therm., Fah.	*h. m.* 2 08 20 27½	*h. m.* 2 14 20 33½	*h. m.* 2 20 20 39½	*h. m.* 2 26 20 45½	*h. m.* 2 32 20 51½	Therm., Fah.	*h. m.* 2 38 20 57½	*h. m.* 2 44 21 03½	*h. m.* 2 50 21 09½	*h. m.* 2 56 21 15½	Therm., Fah.
Feb. 1	1006.	51.3	1005.6	1005.5	1006.2	1006.1	1006.7	51.3	1006.9	1006.5	1006.3	1009.	51.3
2	1029.6	56.9	1030.2	1029.7	1032.7	1037.8	1039.3	57.2	1041.1	1044.1	1041.6	1039.6	56.8
3	1038.6	53.9	1033.1	1007.7	1007.1	1024.	1031.4	53.5	1032.	1021.4	1018.4	1011.9	52.8
5	1006.8	50.5	1021.7	1012.1	1012.5	1014.3	1012.4	50.5	1010.9	1011.2	1000.7	1004.9	50.5
6	1018.8	57.	1018.5	1019.5	1020.3	1020.7	1020.8	57.2	1020.7	1020.5	1020.3	1020.1	57.4
7	1051.8	62.5	1049.7	1041.2	1042.9	1046.	1046.	*62.3	1045.1	1041.8	1040.1	1039.9	61.9
8	1037.9	53.8	1037.7	1037.6	1033.	1027.	1024.3	53.4	1016.2	1027.9	1028.2	1030.9	53.
9	1000.4	45.1	999.3	999.2	998.9	998.2	998.8	44.7	998.5	995.2	995.1	995.	44.
10	994.3	43.3	994.1	995.2	996.	994.6	996.2	43.4	994.8	996.3	995.5	995.5	43.6
12	1019.1	55.	1018.5	1017.6	1017.4	1016.2	1016.3	54.8	1016.3	1014.1	1017.2	1018.5	54.7
13	1011.1	56.	1011.7	1011.9	1011.7	1010.8	1011.3	56.4	1010.8	1011.7	1011.9	1012.4	56.4
14	1009.8	56.	1010.7	1010.7	1011.	1009.7	1010.6	56.	1010.1	1010.3	1010.9	1010.9	56.2
15	1019.2	54.9	1018.4	1018.6	1019.2	1018.5	1019.2	55.	1018.5	1018.7	1019.1	1018.5	55.
16	1018.4	55.6	1017.8	1016.8	1019.8	1021.8	1019.1	55.1	1020.4	1020.9	1018.8	1018.5	54.8
17	1028.3	56.2	1030.9	1031.	1031.	1029.4	1028.1	55.8	1029.2	1027.3	1023.9	1023.5	55.7
19	1016.3	57.7	1017.1	1018.2	1017.	1018.3	1017.4	57.8	1017.8	1018.1	1017.9	1016.2	57.6
20	1024.2	60.5	1023.9	1023.2	1023.9	1023.6	1023.2	60.	1023.5	1022.3	1022.1	1022.4	59.8
21	1034.7	61.5	1034.6	1033.5	1032.6	1029.5	1030.8	61.3	1029.3	1031.6	1031.2	1030.6	61.2
22	1029.9	60.9	1030.1	1029.3	1030.8	1031.	1031.7	60.6	1033.2	1033.5	1032.2	1032.	60.3
23	1041.4	66.1	1041.8	1040.2	1041.5	1040.5	1041.5	66.2	1042.3	1042.5	1042.2	1041.1	65.9
24	1011.8	54.2	1011.4	1010.5	1010.9	1010.2	1012.	54.	1010.9	1010.	1011.4	1010.9	54.
26	1016.8	57.4	1017.1	1017.1	1017.	1017.7	1018.4	58.	1018.4	1017.3	1017.5	1018.1	57.8
27	1025.5	61.1	1026.2	1027.	1027.5	1026.7	1024.1	60.4	1024.4	1024.9	1025.	1024.7	60.1
28	1050.4	62.2	1055.6	1059.	1057.	1059.	1056.5	62.3	1053.2	1053.2	1052.4	1058.5	62.5
29	1062.	69.	1062.5	1061.4	1062.	1062.7	1064.1	68.8	1066.	1067.	1066.6	1065.8	68.2
Means	1024.1	56.7	1024.7	1022.9	1023.2	1023.8	1024.	56.6	1023.6	1023.5	1022.7	1022.8	56.5
Reduced to 32° F	972.2		972.8	971.	971.4	972.	972.3		971.9	971.9	971.1	971.3	

Göttingen time.. Observatory time	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Feb. 1.....	976.5	40.6	981.8	§983.	985.9	987.3	986.4	41.	987.6	‡987.	‖984.1	985.5
2.....	1001.4	51.4	†1001.5	1001.9	1001.6	1004.6	1006.	51.3	1006.1	1003.5	1004.6	1004.2
3.....	*1019.	*51.8	1020.3	1019.1	1018.4	1018.9	1019.3	52.	1018.4	1017.7	1017.7	1018.5
5.....	1013.5	46.2	1015.	1017.1	1016.7	1018.4	1018.6	46.1	1019.5	1017.8	1016.5	1014.3
6.....	1023.7	54.6	1022.2	1024.4	1023.3	1023.5	1023.3	54.6	1024.8	†1024.7	1027.8	1028.1
7.....	1020.6	53.	1018.6	1019.1	1018.7	1017.8	1018.1	53.4	1020.2	¶1021.5	1022.3	1022.5
8.....	1040.7	54.3	1041.7	1044.2	1046.3	1046.5	1047.9	54.2	1049.5	1048.6	1048.6	1056.6
9.....	1007.9	43.7	‡1008.2	1008.	1008.8	1009.3	1008.8	43.8	1010.	1009.3	1011.	1011.1
10.....	990.2	38.7	988.1	989.7	990.1	990.6	991.	39.1	990.5	992.6	992.4	993.7
12.....	1003.2	46.2	1003.8	1005.8	1004.6	1005.8	1006.3	46.6	1007.9	1008.3	1009.1	1009.7
13.....	1002.4	48.4	1001.3	1002.7	1003.2	1002.7	1002.7	48.7	1003.8	1004.1	1002.5	†1003.9
14.....	1014.	53.7	1013.8	1014.2	1014.5	1015.3	1016.1	51.	1015.3	1016.1	1016.7	1013.9
15.....	1004.1	51.6	1003.3	1006.	1006.3	1006.4	1007.	51.8	1008.3	1009.4	1011.3	1013.9
16.....	1013.	54.8	1015.1	‖1014.2	1014.4	1015.5	1013.7	55.	1016.7	1014.4	1013.1	1014.1
17.....	1021.9	54.8	1020.2	1019.2	1020.4	1021.8	1021.5	54.9	1021.1	1021.2	1020.	1019.3
19.....	1009.4	49.	1009.6	1011.8	1012.9	1013.3	1013.1	49.2	1013.6	1012.6	1015.4	1015.5
20.....	1024.3	58.4	1025.2	1025.3	1025.2	1027.1	1027.4	59.3	1027.5	1027.2	1028.5	1028.2
21.....	1014.2	55.5	1014.2	1016.3	1014.6	1016.2	1016.7	56.3	1017.2	1016.8	1016.7	1018.2
22.....	1024.5	59.3	1023.3	1024.3	1024.9	1021.3	1023.8	59.8	1024.4	1025.2	1024.7	1024.
23.....	1036.4	57.8	1034.2	1033.	1034.3	1035.2	1034.	58.6	1036.1	1033.6	1032.8	1033.1
24.....	1028.2	54.	1027.1	1026.8	1029.	1027.4	1026.4	54.2	1027.8	1027.5	1026.2	1028.8
26.....	1006.6	52.7	1005.8	1004.7	1006.2	1005.5	1008.6	53.	1008.6	1007.5	1009.8	1009.
27.....	1032.9	60.6	1031.5	1033.6	1033.3	1033.6	1033.8	60.5	1033.6	1034.	1034.7	1034.
28.....	1024.2	59.	1021.2	1022.6	1021.7	1022.3	1023.6	58.9	1021.8	1022.8	1023.2	1023.3
29.....	1054.4	67.8	1056.2	1056.	1056.9	1056.8	1058.5	67.2	1056.4	1055.9	1057.5	1057.1
Means.....	1016.3	52.8	1016.1	1016.5	1017.3	1017.8	1018.1	52.9	1018.7	1018.4	1018.7	1019.2
Reduced to 32° F.	972.6		972.4	972.8	973.5	974.	974.2		974.7	974.3	974.5	974.9

* Supplied. † One minute late. ‡ Forty-five seconds late. § Thirty seconds late. ‖ Two minutes late. ¶ Ten seconds late.

Göttingen time..... Observatory time.....	*h. m.* 16 32 10 51½	Therm., Fah.	*h. m.* 16 38 10 57½	*h. m.* 16 44 11 03½	*h. m.* 16 50 11 09½	*h. m.* 16 56 11 15½	*h. m.* 17 02 11 21½	Therm., Fah.	*h. m.* 17 08 11 27½	*h. m.* 17 14 11 33½	*h. m.* 17 20 11 39½	*h. m.* 17 26 11 45½	Therm., Fah.
Feb. 1.....	988.5	41.6	†996.1	1001.4	1002.2	1002.8	1006.2	42.3	1010.4	1013.6	1013.7	1013.2	43.2
2.....	1003.2	51.5	1004.1	1003.8	1007.4	1007.3	1012.2	52.3	1018.5	1023.8	1026.6	1029.3	53.9
3.....	1017.4	52.2	1015.7	1016.	1017.9	†1017.3	1016.2	52.7	1016.5	1014.	1015.5	1015.4	53.2
5.....	1012.1	46.3	1014.4	1013.3	1012.7	1012.2	1015.1	46.6	1017.9	†1018.6	1024.	1023.	46.8
6.....	1027.4	54.7	1026.2	1028.8	1029.1	1028.6	1029.	54.7	1028 8	1030.3	1029.6	1028.6	54.8
7.....	1021.6	54.	1022.8	1022.4	1020.5	†1018.2	1019.6	54.8	1018.7	†1019.5	1019.5	1019.9	55.6
8.....	1059.7	54.2	1063.5	1064.1	1064.2	1061.7	1059.7	54.4	1056.7	1053.2	1049.9	1048.2	54.7
9.....	1010.3	44.	1010.5	1010.5	1010.8	1011.8	1009.8	44.5	†1011.1	1011.7	1011.3	1011.1	45.
10.....	995.5	39.7	‡994.1	997.8	996.7	996.7	998.	40.6	998.	1003.2	1001.7	1004.1	41.3
12.....	1010.4	47.1	1009.4	1010.6	1010.2	1013.	1013.6	47.8	1011.8	1025.	1014.8	1015.5	48.3
13.....	1004.1	49.	1005.5	1004.	1009.1	1009.4	1010.5	49.5	1010.6	1009.4	1010.9	1011.	49.7
14.....	1017.	54.1	1016.7	1016.9	1013.7	1015.	1014.5	53.9	1014.2	1016.2	1015.	1015.5	53.8
15.....	1015.3	52.3	1017.5	1018.	1017.8	1017.4	1014.8	52.5	1012.1	1014.3	1013.7	1012.3	52.8
16.....	1016.1	55.3	1014.4	1013.5	1014.3	1014.	1014.6	55.6	1014.3	1013.4	1013.1	1014.4	56.
17.....	1019.9	55.	1019.4	1018.9	1018.7	1017.7	1021.	54.8	1020.8	1019.5	1020.2	1017.3	55.
19.....	1016.1	49.5	1015.8	1016.9	1017.9	1018.1	1018.3	49.9	1019.3	1020.1	1020.5	1020.	50.2
20.....	1028.7	60.1	‡1029.6	1029.6	1032.4	1031.2	1033.6	61.3	1035.3	1035.8	1038.4	1040.	61.7
21.....	1015.9	*57.3	1021.2	1020.5	1021.3	1023.7	1023.1	58.4	1023.	1023.9	*1024.	‡1024.3	59.1
22.....	1025.1	*60.	1025.3	1025.2	1024.7	1025.3	1024.6	60.3	1026.	1027.	1027.5	1028.7	60.9
23.....	1036.1	59.1	1034.3	1037.7	1036.2	1035.7	1035.9	60.	1035.3	1036.8	1037.3	1038.6	60.2
24.....	1024.9	53.1	1023.9	1022.2	1022.	1022.2	1021.5	53.3	1020.3	1021.2	1020.5	1014.2	53.1
26.....	1011.4	53.5	1010.3	1009.7	1010.	1008.3	1011.	54.3	1008 8	1008.2	1012.8	1011.9	54.6
27.....	1034.6	60.3	1031.9	1034.6	1036.1	1034.9	1036.7	60.2	1036.1	1036.6	1034.2	1034.6	60.1
28.....	1023.5	58.7	1024.	1024.8	1024.4	1017.9	1017.9	58.7	1016.1	1016.4	1015.5	1019.4	58.9
29.....	1057.3	67.	1057.9	1058.1	1056.8	1060.3	1057.7						

Göttingen time.. Observatory time.	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
Feb. 1	645.	56.2	616.6	618.3	619.7	621.5	623.2	56.6	625.3	626.6	628.2	*629.6
2	720.	64.	720.	719.9	720.1	720.	720.	63.8	719.5	719.2	719.2	719.4
3	727.1	65.3	728.2	728.7	730.1	731.	731.8	64.9	732.5	732.4	732.2	731.5
5	598.	55.7	601.	603.6	605.6	607.5	610.2	56.2	612.	613.2	614.2	615.1
6	671.1	60.4	671.	672.4	671.6	671.7	671.8	60.6	672.4	672.9	673.6	674.4
7	752.9	68.	754.7	756.1	757.7	759.9	761.7	68.9	763.9	765.5	767.4	768.8
8	679.8	61.3	678.5	678.3	677.4	677.	676.7	60.7	675.9	675.4	675.	674.1
9	588.2	54.5	589.1	588.8	589.1	589.5	589.9	54.4	590.1	590.2	589.2	589.8
10	536.7	49.4	536.5	536.	535.9	535.	534.7	49.	533.4	532.9	531.8	530.5
12	666.1	61.4	668.4	670.3	671.8	674.2	676.6	62.2	678.8	680.1	682.	683.3
13	650.5	59.	651.9	652.8	653.2	654.1	655.	59.3	656.2	657.	657.7	657.7
14	706.8	63.7	708.	709.2	709.9	710.2	710.9	63.3	710.9	710.8	710.5	710.
15	645.5	58.3	645.9	646.6	647.1	647.6	647.7	58.3	647.4	647.4	647.1	647.
16	662.8	59.7	662.5	662.3	661.9	661.9	662.	60.	662.	662.	662.1	662.4
17	661.2	61.5	665.9	669.6	672.8	676.	678.2	61.4	681.	683.	684.8	685.2
19	668.3	61.8	669.	670.5	672.2	673.9	676.	62.1	678.	679.	680.8	681.7
20	769.5	67.4	768.6	768.9	768.9	769.	769.1	67.3	769.5	769.5	769.6	769.1
21	761.2	67.2	761.1	760.9	760.9	760.9	761.1	67.3	760.8	760.8	760.7	760.3
22	735.7	66.1	736.4	737.	737.	737.4	737.5	65.9	737.5	737.2	737.1	737.1
23	761.6	68.8	762.9	764.	765.8	767.	767.8	69.3	768.8	770.1	771.	772.2
24	667.9	60.5	667.8	667.7	667.9	667.9	668.5	60.4	668.4	668.5	668.7	668.5
26	686.6	61.8	685.5	684.1	683.	682.7	682.1	61.6	681.9	681.8	681.6	681.2
27	767.3	66.7	766.4	765.5	763.7	763 1	761.4	66.1	759.5	758.1	756.9	755.7
28	760.	68.7	758.7	758.	756.1	755.	753.	68.	751.4	749.5	747.6	745.8
29	804.7	72.3	806.1	807.9	810.2	813.	813.9	73.6	817.2	819.7	822.2	823.9
Means	691.8	62.4	691.2	691.9	692.4	693.1	693.6	62.4	694.2	694.1	694.8	694.8
Reduced to 32° F.	281.4		280.8	281.5	282.	282.7	283.2		284.1	284.3	285.3	285.6

* Supplied.

	h. m.	Therm.,	h. m.	h. m.	h. m.	h. m.	h. m.	Therm.,	h. m.	h. m.	h. m.	h. m.	Therm.,
Göttingen time.....	23 04	Fah.	23 10	23 16	23 22	23 28	23 34	Fah.	23 40	23 46	23 52	23 58	Fah.
Observatory time.....	17 23½		17 29½	17 35½	17 41½	17 47½	17 53½		17 59½	18 05½	18 11½	18 17½	
Feb. 1.....	631.	57.1	632.5	634.2	635.9	637.6	639.	57.8	640.1	641.2	642.5	643.1	57.4
2.....	718.9	63.5	719.1	718.8	719.	718.4	716.5	62.9	715.3	715.1	715.	713.8	63.3
3.....	731.2	63.3	730.6	729.7	727.8	726.4	725.2	62.3	723.5	722.1	720.4	718.7	61.5
5.....	615.6	56.3	615.9	616.1	616.8	617.2	617.4	56.2	617.3	617.9	618.	618.2	55.8
6.....	674.6	60.7	675.5	676.3	676.8	677.3	678.	60.7	678.9	679.1	679.5	679.8	60.7
7.....	770.3	69.1	772.3	773.5	775.1	776.	776.9	69.	777.	777.4	777.6	778.2	68.7
8.....	673.6	60.5	673.3	672.7	672.	671.7	671.2	60.4	670.9	670.6	670.3	669.9	59.8
9.....	589.	54.	588.3	587.8	587.1	586.2	585.4	53.2	584.4	583.2	582.1	579.7	52.6
10.....	530.	48.3	528.3	528.	526.6	525.9	524.	48.	522.5	521.7	520.2	519.1	47.5
12.....	684.8	62.6	686.7	688 1	689.	690.4	691.	62.1	691.1	691.2	691.3	691.1	61.6
13.....	658.2	59.3	658.4	658.4	658.7	659.3	659.9	59.4	660.4	661.	661.8	662.	59.6
14.....	709.5	62.7	709.5	709.2	708.1	707.8	707.4	62.1	707.	706.	705.3	704.7	61.2
15.....	647.	58.2	647.2	647.4	647.7	648.1	648.6	58.4	648.8	649.7	649.8	650.7	58.3
16.....	662.3	60.2	662.4	663.	663.1	663.6	663.9	60.2	664.2	664.7	665.	664.7	59.6
17.....	687.2	61.5	688.5	689.1	690.3	691.3	691.9	61.8	692.7	693.	693.2	692.6	62.
19.....	682.2	61.6	682.9	683.1	683.8	*684.8	684.6	61.3	684.9	684.1	685.	683.9	61.
20.....	768.6	67.	768.	767.8	767.2	766.6	766.	66.2	764.5	762.5	761.9	760.2	65.6
21.....	760.1	66.8	759.6	758.9	758.3	757.9	757.4	66.1	756.5	755.9	755.6	753.4	65.6
22.....	736.9	65.6	736.6	736.4	736.2	736.1	736.1	65.3	736.	736.	735.6	735.1	65.
23.....	772.9	69.2	773.6	774.6	775.2	775.9	776.6	69.3	777.3	777.8	778.1	778.1	69.1
24.....	668.3	60.2	668.	667.9	668.1	*668.	668.	59.9	667.8	667.	666.3	665.9	59.4
26.....	680.9	60.9	680.4	680.	679.1	678.9	678.6	60.4	678.6	677.9	677.9	677.7	60.3
27.....	754.	66.	753.3	752.9	752.6	752.2	751.7	66.1	751.4	751.6	751.4	751.7	66.4
28.....	743.7	67.6	742.9	743.	743.8	745.4	746.6	67.	747.9	747.9	749.	748.7	67.
29.....	827.2	75.	829.9	832.8	835.8	838.8	843.1	76.	845.6	848.6	851.1	859.7	76.
Means.....	695.1	62.3	695.3	695.6	695.8	696.1	696.2	62.1	696.2	696.1	696.2	696.	61.8
Reduced to 32° F.....	286.1		286.8	287.7	288.4	289.2	289.9		290.9	291.8	292.9	293.7	

Göttingen time.. Observatory time.	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
Feb. 1	517.8	47.9	519.2	520.4	521.3	520.8	519.6	47.1	520.	520.3	519.8	518.8
2	650.7	57.8	650.4	650.	649.9	649.3	648.8	57.2	648.3	647.7	646.9	646.4
3	630.	56.	630.1	629.9	629.7	629.1	628.2	55.9	627.4	626.3	625.5	624.6
5	531.6	48.3	531.	530.8	530.1	529.6	528.4	48.5	528.9	528.9	528.7	529.4
6	605.	55.6	605.1	605.5	605 9	606.2	606.9	56.	608.1	609.4	610.8	612.8
7	669.8	58.8	669.	668.2	667.5	666.6	665.1	58.2	664.2	662.4	660.7	659.1
8	676.	60.	675.4	674.2	673.7	673.4	672.4	59.6	671.7	670.7	670.2	669.5
9	532.1	49.	531.5	531.	529 8	528.6	527.3	48.9	526 2	524.9	523.5	523.4
10	467.2	44.2	466.3	465.9	465.3	464.7	463.6	43.8	462.8	461.8	461.5	460.7
12	503.6	46.8	503.3	503.3	502.8	502.8	502.7	46.8	502.4	502.5	502.	502.
13	577.2	52.2	576.2	575.8	574.6	573.6	572.5	51 8	571.	569.	567.2	565.1
14	613.3	54.7	612.6	610.7	610.6	609.5	608.3	54.4	607.4	606.6	605.8	605.5
15	630.3	56.	629.1	627.8	627.5	626.4	625.	55.1	623.2	621.3	619 4	617.6
16	651.8	57.6	†651.1	650.6	649.8	648.9	648.2	57.3	647.1	646.2	645.	644.1
17	656.7	58.7	656.3	656.3	655.8	655.7	655.3	58.5	655.	655.1	655.	654.6
19	554.9	51.5	555.3	556.4	557.3	559.1	561.	52.2	562.2	563.3	564.6	565.6
20	674.7	60.	†674.7	674.7	674.8	674.3	673.8	59.5	673.3	673.8	672.5	672.2
21	655.1	57.9	653.6	652 3	650.4	649.4	647.5	57.3	645.3	643.4	642.1	640.2
22	733.9	63.8	733.2	732.3	731.3	730.2	728.3	63.2	727.3	724.9	724.4	723.5
23	699.1	61.7	698.7	698.	696.9	695.8	694.8	61.	693.6	693.4	690.9	689.1
24	680.1	60.	679.1	678.3	677.5	676.8	676.1	60.	675.8	674.9	674.2	673.9
26	619.1	56.1	618.8	618.8	618.9	618.8	618.4	55.9	618.2	617.6	617.9	617.9
27	763.3	66 9	764.	764.2	765.1	765.6	765.9	67.	766.2	766.2	766.1	765.7
28	730.8	63.6	730.1	728.8	727.7	727.	726.	63.5	724.8	723.1	722.6	722.4
*29	798.4	70.7	799.	800.2	801.4	802.7	803.7	71.8	805.2	806.8	808.9	810.8
Means	632.9	56.6	632.5	632.2	631.8	631.4	630.7	56.4	630.2	629.5	629.	628.6
Reduced to 32° F.	300.8		300.9	301.2	301.3	301.4	301.3		300.6	299.6	298.9	298.2

* See disturbance observations.

† One minute late.

Göttingen time Observatory time	*h. m.* 13 34 7 53½	Therm., Fah.	*h. m.* 13 40 7 59½	*h. m.* 13 46 8 05½	*h. m.* 13 52 8 11½	*h. m.* 13 58 8 17½	*h. m.* 14 01 8 23½	Therm., Fah.	*h. m.* 14 10 8 29½	*h. m.* 14 16 8 35½	*h. m.* 14 22 8 41½	*h. m.* 14 28 8 47½	Therm., Fah.
Feb. 1	517.9	46.6	516.6	515.9	515.	513.7	512.6	46.	511 6	510.5	510.7	509.8	45.8
2	645.5	56.6	645.	644.2	642.9	642.	640.3	56.	639.7	638.6	637.5	637.1	†55.6
3	624.6	56.1	624.	623.5	624.	624.3	624.3	56.8	625.1	625.5	626.1	627.3	57.2
5	529.	49.1	530.2	530.6	531.2	531.8	532.4	49.5	532.9	533.4	535.2	536.5	50.2
6	614.6	56.9	617.2	618.9	621.3	624.	626.7	58.	629.6	†631 9	†633.	†636.	58.7
7	657.	57.5	655.4	653.8	652.9	651.3	649.	57.	648.6	647.8	647.	646.3	56.9
8	668.8	59.3	667.8	666.8	666.2	665.5	664.6	59.2	664.1	663.	662.7	661.9	59.
9	522.1	48.8	521.3	520.8	520.	519.	516.	48.7	517.7	517.5	517.3	517.2	48 8
10	459.4	43.	458.	457.2	455.9	458.5	453.6	43.	452.8	452.5	452.3	452.2	43.
12	497.8	47.2	502.2	502.7	503.5	504.2	503.9	48.2	506.4	507.4	509.	510.4	49.
13	563.4	51.6	562.7	562.2	561.8	561.7	561.8	52.1	562.2	562.8	563.7	564.6	52.7
14	604.8	54.8	601.4	601.5	604.8	605.4	606.5	56.	607.6	608.9	610.5	612.2	57.3
15	616.2	55.	614.8	614.1	613.3	612.6	611.8	55.2	611.5	611.4	611.4	611.7	55.4
16	613.5	57.2	642.5	641.1	640.1	639 2	638.6	57.3	637.9	637.5	637.2	637.3	57.7
17	654.5	59.	654.2	654.4	654.6	654.5	655.2	59.	655.8	656.1	656.7	657.5	59.
19	566.7	52.4	567.7	567.6	568.1	568.4	568.9	52.6	569.8	570.3	571.1	572.4	53.
20	672.3	60.1	672.4	672.8	673.7	673.9	674.6	61.3	676.5	677.9	680.2	682.5	†62.1
21	638.6	57.3	637.4	636.4	635.4	634.6	634.4	57.8	633.9	634.1	634.5	635.2	58.3
22	720.8	62.8	719.	717.5	716.1	714.4	713.1	62.9	711.8	710.9	709.8	709.9	63.1
23	688.	60.8	686.7	685 3	684.	682.8	681.8	61.	681.3	681.	681.3	681.5	61.1
24	673.8	59.8	672.5	672.2	671.7	671.7	671.	59.6	670.4	669.9	669.7	669.6	59.3
26	618.3	56.1	619.3	618.6	618.3	618.7	618.6	56.3	618.6	618.5	618.7	618.7	56.5
27	764.5	67.1	763.9	762.6	761.4	760.5	759.3	65.8	758.4	757.2	757.	756.1	65.8
28	721.4	64.2	722.3	722.3	723.3	723.8	725.5	65.2	726.4	729.9	729.5	731.2	66.4
*29	813.	73.	816.	817.5	819.5	821.4	824.	73.8	825.7	827.9	830.7	833.5	74.8
Means	627.9	55.5	627.7	627.3	627 2	627.1	626.7	56.7	627.1	627.3	627.7	628.3	57.1

Göttingen time Observatory time	*h. m.* 6 00 0 19½	*h. m.* 6 06 0 25½	*h. m.* 6 12 0 31½	*h. m.* 6 18 0 37½	*h. m.* 6 24 0 43½	*h. m.* 6 30 0 49½	*h. m.* 6 36 0 55½	*h. m.* 6 42 1 01½	*h. m.* 6 48 1 07½	*h. m.* 6 54 1 13½
Mar. 1	557.6	557.9	558.6	558.4	557.8	558.	558.4	558.3	558.6	557.3
2	557.1	556 4	556.7	556.7	557.1	557.1	557.6	558.1	558.	558.2
4	556.2	556.4	555.8	556.9	559.5	559.	560.8	558.1	556.2	558.2
*5	547.6	547.1	549.2	552 4	554.3	557.7	558.7	559.4	559.1	559.5
6	564.5	560.	560.5	556.4	556.7	555.7	554.4	553.9	551.9	553.3
7	564.6	565.6	567.4	573.4	572.9	574.4	577.2	576.6	572.6	571.
8	545.	543.9	540.2	536 7	538.8	545.2	551.5	555.7	556.1	554.
9	552.2	552.4	552.3	554.2	555.3	555.9	556.7	555 9	558.2	556.9
11	557.8	557.6	557.7	558.7	558.3	558.9	559.4	557.	557.	557.2
12	558.3	557.	558.3	557.9	558.1	558.2	558.6	558 4	558.6	558.2
13	561.2	562.2	561.7	560.7	560.4	559.9	560.2	558.9	557.9	558.6
14	558.	557.8	557.	557.5	557.9	558.8	559.4	558.8	559.	559.1
15	559.	558.5	558.5	558.7	558.6	558.2	558.2	558.7	559.	558.5
16	558.5	560.	558.6	558.3	†558.2	558.2	558.1	559.	558.6	558.
18	556.	554.6	554.4	554.1	555.7	556.5	557.	559.3	557.9	557 1
19	560.9	560.7	560.7	561.5	563 5	561.7	561.9	563.2	561.8	561.4
20	552.5	555.9	559.3	561.1	563.7	565.2	566.6	567.2	568.1	568.6
21	566.1	564.9	564.	562.6	564 1	564.5	565.6	565.1	561.9	563.
22	558.4	558.5	558.2	558.	558.8	559.6	†559.3	560.2	560.	560.4
23	559.9	559.8	560.4	560.1	560.4	559.9	560.4	559.9	560.4	560.5
25	557.7	557.8	558.	558.	558.1	558.4	558.6	558.4	558.3	559.2
26	556.9	557 1	557.1	557.3	557.5	557.9	558.4	558.5	558.6	558.4
27	557.7	557.3	557.6	557.9	558 4	558.2	558.	558.6	558.2	558.2
28	558.3	558.1	559.4	559.8	558.7	556.8	555.6	556.2	557.	554.6
29	562 9	563.	563.2	562.1	559.8	559.4	560.2	561.1	562.	563.8
*30	518.1	521.7	552.3	581.	591.6	596.1	582.7	590 5	596.7	599.
Means	556.3	556.2	557 6	558.8	559.8	560.	560.5	560.9	560.9	560.8

* See disturbance observations.

† One minute late.

FIRST MAXIMUM OF DECLINATION—Continued.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Green time	7 00	7 06	7 12	7 18	7 24	7 30	7 36	7 42	7 48	7 54
Observatory time	1 19½	1 25½	1 31½	1 37½	1 43½	1 49½	1 55½	2 01½	2 07½	2 13½
Mar. 1	557.4	557.5	557.2	556.8	557.	557.1	557.4	558.1	556.8	558.9
2	558.4	557.5	557.7	557.7	558.2	558.1	558.3	557.9	558 8	560.
4	557.5	555.5	555.7	554.5	553.5	558.8	562 4	560.2	556.5	552.
*5	561.4	561.9	561.2	564.2	564.7	559.7	562.4	567.1	565.4	562 6
6	553.7	552.8	554.1	554.5	554.5	553.4	556.7	555.2	554.6	551.6
7	571.2	571.5	573.1	572.8	571.1	568.9	569.2	567.5	565.6	563.5
8	555.1	558.7	561.	562.1	563.6	563.6	563.9	566.1	566.2	567.9
9	558.1	558.7	559.8	559.9	563.9	559.9	558.7	560.1	559 9	555.9
11	556.4	556.6	556.8	556.9	557.4	557.8	560.1	560.4	559.4	558.9
12	557.6	557.1	556.8	557.	557.3	557.6	557 9	558.2	558.4	558.6
13	558.8	558.3	†558.6	559.2	558.7	559.	558 7	557.9	557.2	559.2
14	559.4	558.6	559.2	559.4	559.8	560.3	560.	560.2	560.4	560.5
15	558.7	559.1	558.5	559.1	559.	560.	558.5	558.9	559.1	559.2
16	557.7	557.9	558.3	558.5	558.4	558.7	559.5	560.	559.7	560.9
18	556.5	556.4	557.5	558.3	559.1	558.	557.5	557.4	557.3	557.5
19	560.8	563.4	563.5	562.7	562.9	560.7	562.5	563.7	563.5	563 6
20	568.	567.9	567.8	566.9	565.2	564.4	563.4	563.	562 1	560.4
21	563.6	562.	561.4	561.	559.4	559.2	559.2	559.	558.8	558.
22	560.3	559.6	558.6	559.2	558 9	556.3	555.7	556.6	557.8	556.4
23	560.6	560.3	560.3	560.2	559.2	558.6	559.2	558.	561.3	559.9
25	559.4	559.1	558.8	559.1	559.4	559.4	559.7	559.2	560.	560.
26	558.1	558.	557.9	557.8	557.2	557.5	558.	557.8	558.	557.8
27	558.4	558.6	558.2	558.6	558.7	558.	558 6	558.8	559.5	558.9
28	558.2	559.5	560 4	560.9	561.1	560.	559.6	556 3	556.5	556.3
29	564.3	563.7	562.9	562.6	560.5	560.1	560.7	561.8	563.7	565.7
*30	591.6	582.4	573.7	575.1	577.3	579.4	577.4	581.	582.	581.1

Göttingen time Observatory time	h. m. 18 00 12 19½	h. m. 18 06 12 25½	h. m. 18 12 12 31½	h. m. 18 18 12 37½	h. m. 18 24 12 43½	h. m. 18 30 12 49½	h. m. 18 36 12 55½	h. m. 18 42 13 01½	h. m. 18 48 13 07½	h. m. 18 54 13 13½
Mar. 1	549.7	549.4	549.5	549.4	549.8	549.6	549.4	549.5	549.7	549.9
2	548.3	548.1	548.2	548.3	548.2	546.7	†547.6	547.1	547.	547.
4	547.9	546.6	546.6	545.2	546.3	546.8	546.3	†547.1	547.2	547.7
*5	547.8	548.6	547.9	549.	548.5	548.2	546.4	547.5	547.1	548.1
6	548.8	547.5	544.5	542.6	541.3	541.8	543.3	544.1	544.8	544.
7	547.	547.9	549.3	548.9	549.7	548.7	551.2	550.4	552.2	550.9
8	549.3	549.4	549.	548 3	547.8	548.6	547.3	550.8	547.9	546.5
9	554.6	554.3	554.3	554.1	554.1	554.3	555.1	554.5	557.9	555.5
11	554.2	553.3	552.6	552.1	552.7	552.	551.7	551.1	551.9	551.6
12	547.4	546.8	546.2	545.6	544.8	546.1	546.6	†547.	547.4	548.2
13	553.6	553.5	554.	553.8	554.1	553.9	553.9	554.1	554.5	554.2
14	553.5	553.8	553.6	553.5	553.6	553.6	553.2	553.5	553.4	553.7
15	553.4	552.5	552.2	553.1	552.9	552.7	552.2	553.5	552.1	551.8
16	553.2	552.9	553.1	553.2	553.2	552.8	552.8	552.9	552.6	553.1
18	550.4	549.8	549.4	548.4	547.8	547.3	547.7	546.3	546.8	546.4
19	550.	548.1	548.6	548.	547.6	547.8	547.8	547.3	546.9	547.
20	548.8	548.7	548.5	548.3	548.2	547.6	547.9	547.6	547.9	547.7
21	553.2	553.5	552.1	551.4	551.	551.	549.8	549.9	549.5	549.8
22	549.1	548.5	548.2	548.	547.4	547.1	546.9	546.6	546.4	546.2
23	554.1	554.	554.	554.	554.2	554.1	553.8	552.5	†553.	552.3
25	548.5	549.	549.8	549.1	548.9	548.3	548.3	548.3	547.9	547.9
26	551.6	551.3	551.3	550.8	551.	551.	†551.	551.	551.	551.
27	552.	552.2	551.4	550.6	549.2	549.2	547.	†546.6	545.2	544.9
28	547.8	547.2	546.5	546.2	546.5	545.9	545.2	545.	545.2	545.7
29	552.	551.9	551.9	551.5	551.4	551.3	550.9	551.1	†551.3	551.1
*30	542.3	545.9	549.1	545.9	548.1	549.	548.7	548.6	549.4	552.7
Means	550.3	550.1	550.1	549.6	549.5	549.4	549.3	549.3	549.5	549.4

* See disturbance observations.

† One minute late.

Göttingen time Observatory time	h. m. 2 00 20 19½	h. m. 2 06 20 25½	h. m. 2 12 20 31½	h. m. 2 18 20 37½	h. m. 2 24 20 43½	h. m. 2 30 20 49½	h. m. 2 36 20 55½	h. m. 2 42 21 01½	h. m. 2 48 21 07½	h. m. 2 54 21 13½
Mar. 1	555.6	555.	555.	554.4	†553.7	553.2	553.	553.3	553.3	554.1
*2	553.8	554.7	558.1	558.7	559.1	556.8	555.6	556.6	556.8	556.6
*4	567.3	568.5	575.4	578.3	587.	591.2	587.9	580.	576.9	570.8
*5	576.4	576.	572.9	567.7	563.1	560.7	565.3	566.7	566.9	566.6
6	558.4	559.4	560.8	560.1	559.8	558.7	558.6	557.5	557.4	558.6
7	561.2	563.1	564.6	566.4	566.3	†566.5	568.5	572.4	575.	580.8
*8	587.7	589.6	583.5	581.	586.4	585.7	579.5	573.2	570.	567.5
9	558.1	557.8	556.9	556.6	558.5	556.3	555.7	556.	557.3	556.8
11	558.	558.1	558.1	†559.6	561.7	564.5	562.7	561.	559.3	559 5
12	559.6	559.5	557.6	556.	557.	557.1	557.2	556.2	556.3	557.3
13	558.	558.4	558.	557.7	557 6	§557.6	557.4	557.4	557.8	557.5
14	555.5	555.9	556.1	556.2	556.2	555.9	556.5	557.2	558.1	558.1
15	557.	556.6	556.4	556.8	556.9	557.1	557.3	557.3	557.4	557.7
16	558.3	558.5	558.3	558.3	558.3	558.3	558.6	558.5	†558.6	558.2
18	558.7	558.	557.2	558.	558.5	557.8	557.2	557.4	558.	559.1
19	557.8	556.9	557.4	558.	558.	557.8	557.1	557.6	557.7	558.
20	559.1	558.8	558.3	558.2	557.8	558.1	557.7	557.9	557.6	558.
21	557.6	556.9	557.3	556.7	555.7	557.2	557.1	556.5	556.2	556.1
22	556.9	556.9	556.1	556.3	556.5	556.6	557.9	557.4	557.4	557.2
23	557.2	557.3	557.7	†558.1	557.8	558.2	557.5	557.7	556.9	557.7
25	557.3	556.9	556.8	556.6	557.5	557.8	557.8	557.6	557.6	557.1
26	556.	556.2	556.4	556.5	556.9	556.4	†556.6	556.5	556.5	556.9
27	557.8	557.1	556.2	555.7	555.1	555.7	555.7	556.3	556.3	556.1
28	558.6	558.2	557.8	558.2	558.	557.8	557.4	557.4	557.5	557.6
*29	602.3	592.	585.2	572.6	573.9	569.1	564.4	554.9	557.5	566.6
*30	565.2	567.4	578.1	591.6	586.7	579.9	583.4	584.6	580.9	579.6

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	3 00	3 06	3 12	3 18	3 24	3 30	3 36	3 42	3 48	3 54
Observatory time	21 19½	21 25½	21 31½	21 37½	21 43½	21 49½	21 55½	22 01½	22 07½	22 13½
Mar. 1	554.7	555.	555.5	555.4	555.8	556.3	556.9	557.1	556 8	556.5
*2	560.3	559.5	559.5	562.3	564.9	572.3	579.	580.4	578.1	576.8
*4	567.3	561.5	558.7	559.7	555.5	553.9	556.8	559.2	565.	573.3
*5	569 5	569.3	566	565.3	565.7	566.3	560.	548.9	546.8	565.
6	558.1	559.2	561.9	562.7	563.9	564.	565.1	‖561.9	562.6	561.1
*7	583.3	588.9	†589.2	†580.5	575.4	569.5	568.5	578.2	588.1	591.7
*8	566.6	564.4	562.3	561.9	§560.3	560.5	560.8	560.1	560.4	559.6
9	556.6	555.6	556.2	557.8	558.2	558.4	558.6	557.6	558.8	560.8
11	558.9	560.3	562.5	563.9	563.9	562.5	561.	560.8	558.7	558.2
12	556.6	557.9	558.	†557.4	557.7	557.1	556.2	555.5	556.5	557 4
13	557.5	557.1	556.9	556.5	556.5	556.6	557.1	557.2	557.	557.4
14	557.1	557.1	558.3	558.2	557.6	557.5	557.	557.4	557.	556.9
15	557.4	557.6	556.9	557.4	557.4	557.8	557.	557.6	557.6	557.
16	558.5	558.2	558.3	558.	558.1	557.9	557.8	557.8	557.9	557.3
18	558.9	558.6	†559.	558.5	560.	560.3	561.2	559.4	560.8	562.5
19	557.6	557.	557.1	557.3	557.7	558.1	556.7	558.3	560.5	560.1
20	557.3	557.1	557.8	557.5	557.5	557.7	557.9	558.3	557.5	557.6
21	556.5	556.5	557.	558.1	558.2	559.7	560.4	561.8	560.5	559.5
22	556.9	557.1	557.	557.6	§558.3	560.9	560.7	559.2	558.8	558.7
23	557.4	557.	‡556.7	557.5	558.5	557.8	558.4	558.5	558.6	558.3
25	556.8	557.1	‡557.6	557.8	557.4	557.3	557.4	556.9	557.9	558.3
26	556.9	557.	557.	556.6	556.7	556.9	556.9	556.9	557.	557.4
27	556.1	556.6	556.7	557.	556.8	556.1	556.9	556.8	557.4	557.
28	557.6	557.8	557.5	557.9	558.1	557.9	557.5	556.9	558.2	557.9
*29	578.3	581.4	580.7	579.4	579.9	596.9	595.5	576.3	578 1	581.7
*30	574.6	570.5	570.5	571.6	571.8	570.7	568.9	567.	564.3	562.6
Means	561.	561.	561.	560.9	560.8	561.6	561.5	561.	561.6	561.9

* See disturbance observations. † One minute late. ‡ Forty-eight seconds late. § Twenty-four seconds late. ‖ Two minutes late.

Göttingen time Observatory time	*h. m.* 13 00 7 19½	*h. m.* 13 06 7 25½	*h. m.* 13 12 7 31½	*h. m.* 13 18 7 37½	*h. m.* 13 24 7 43½	*h. m.* 13 30 7 49½	*h. m.* 13 36 7 55½	*h. m.* 13 42 8 01½	*h. m.* 13 48 8 07½	*h. m.* 13 54 8 13½
Mar. 1	563.3	562.4	562.7	562.4	561.2	562.5	562.2	562.6	563.	563.6
2	564.1	563.4	564.	565.2	567.2	566.5	563.	561.2	562.1	563.7
4	557.7	557.	560.8	561.7	561.2	563.6	562.5	566.7	565.3	564.9
*5	562.4	560.5	562.9	563.6	562.7	563 4	563.2	564.7	565.7	563.7
*6	557.6	558.7	559.2	556.4	556.2	557.5	556.1	555.9	554.3	553.6
7	565.5	566.5	566.3	566.1	567.	566.	566.5	565.6	563.5	560.6
8	564.6	564.3	566.1	564.6	565.6	565.4	565.9	565.5	565.5	566.2
9	565.4	565.	564.9	563.2	563.6	564.5	564.5	567.1	567.2	567.2
11	565.4	565.4	565.4	566.	566.2	565.6	566.4	565.2	565.7	565.6
12	559.4	560.3	559.	558.3	558.5	558.8	558.9	558.3	558.5	558.6
13	563.3	563.9	564.	562.4	561.6	561.5	562.1	565.7	566.7	566.4
14	563.1	563.1	564.3	565.2	564.4	564.5	565.2	564.3	564.3	563.8
15	559.3	559.8	560.8	561.9	560.3	558.7	558.6	561.6	561.1	561.4
16	563.	563.1	562.7	563.9	563.7	561.4	567.2	567.8	566.9	568.1
18	565.9	565.7	565.4	566.4	566.9	568.5	567.8	567.8	567.2	569.2
19	565.9	566.	567.5	567.7	568.6	567.2	567.2	566.9	568.6	568.9
20	565.8	565.3	565.1	565.7	565.5	564.9	563.7	564.	563.7	563.7
21	565.1	567.9	566.8	566.7	566.4	566.7	572.5	569.8	571.4	569.7
22	564.3	566.	565.9	565.7	565.9	567.4	567.1	566.4	566.9	567.1
23	565.8	565.6	564.1	565.4	565.7	565.8	565.1	566.2	566.6	565.8
25	567 4	566.6	566.1	566.	566,7	566.5	566.1	567.4	566.8	565.9
26	565.5	563.7	564.1	564.	564.2	564.3	563.6	563.9	564.5	564.
27	562.7	562.6	562.3	562.2	562.9	563.6	567.1	567.1	567.1	567.3
28	565.7	565.3	564.8	564.8	563.9	563.9	564.6	563.9	562.5	563.8
*29	566.8	567.1	566.8	566.7	566.4	567.	569.	567.2	564.5	564.2
*30	558.8	556.3	552.8	553.6	557.3	553.7	552.5	554.6	559.5	564.9

Göttingen time Observatory time	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
Mar. 1	1050.5	68.3	1050.6	1050.1	1050.2	1052.2	1050.3	68.6	1051.	1051.7	1051.7	1050.6	68.6
2	1046.8	66.4	1046.2	1045.3	1041.1	1042.2	1042.3	66.3	1040.2	1041.3	1042.	1041.9	66.4
4	1039.4	63.7	1041.1	1041.6	1041.7	1042.3	1042.5	64.	1045.4	1044.7	1045.9	1050.5	64.3
*5	1046.7	60.9	1040.	1041.3	1045.3	1040.3	1047.	60.	1046.6	1046.3	1046.4	1048.8	59.4
*6	1061.4	58.5	1066.3	1070.4	1070.6	1068.	1068.4	58.9	1065.7	1069.6	1067.7	1065.1	59.1
7	1047.5	63.4	1051.3	1054.7	1048.6	1050.4	1046.9	63.1	1047.5	1047.5	1048.8	1048.6	63.
8	1053.8	64.	1055.5	1054.5	1053.3	1054.8	1053.8	64.1	1054.8	1056.9	1050.2	1051.2	64.
9	1067.6	65.	1068.8	1068.4	1067.3	1066.	1063.7	64.7	1062.4	1061.7	1059.8	1058.7	64.3
11	1035.5	62.1	1036.5	1036.8	1037.2	1037.2	1036.8	62.4	1036.2	1037.8	1036.5	1037.7	62.5
12	1041.2	65.4	1042.8	1043.5	1043.9	1047.1	1047.	66.2	1046.7	1047.7	1050.1	1051.8	66.4
13	1061.5	69.6	1059.3	1059.9	1059.6	1059.5	1059.7	69.6	1059.6	1059.5	1059.8	1061.3	69.7
14	1051.4	66.5	1049.9	1050.	1049.7	1050.3	1049.	65.9	1048.9	1047.4	1045.7	1047.1	65.5
15	1037.7	62.4	1037.5	1037.	1037.6	1035.5	1038.5	62.2	1037.6	1038.6	1041.3	1040.4	62.2
16	1034.4	61.5	1035.6	1035.	1036.3	1036.6	1036.5	61.3	1035.4	1034.1	1036.2	1039.1	61.1
18	1030.3	61.9	1030.1	1028.9	1028.4	1029.2	1030.	61.2	1028.3	1029.9	1029.6	1029.9	60.7
19	1010.3	53.1	1010.	1010.7	1010.2	1010.	1010.3	53.2	1010.6	1010.1	1012.6	1014.9	53.4
20	1033.5	59.	1033.6	1034.	1034.1	1034.6	1035.3	59.2	1036.8	1034.6	1035.1	1035.5	57.6
21	1031.7	62.4	1029.5	1032.9	1033.7	1033.5	1033.7	61.8	1035.1	1034.6	1037.2	1037.3	60.9
22	1014.8	51.1	1020.1	1024.4	1025.4	1023.9	1018.5	51.	1013.2	1012.7	1010.3	1006.3	50.8
23	1024.5	56.6	1022.9	1023.4	1022.3	1024.3	1022.4	56.4	1023.	1022.3	1020.8	1021.7	56.
25	1022.8	60.	1022.1	1021.	1022.8	1024.7	1025.3	59.7	1024.8	1024.7	1026.1	1027.8	59.3
26	1043.6	64.8	1045.3	1045.	1044.8	1045.4	1044.2	64.7	1045.7	1046.	1046.6	1047.1	64.1
27	1045.6	67.3	1046.2	1045.6	1044.5	1048.2	1046.6	67.4	1047.6	1048.5	1048.	1048.	67.3
28	1042.	59.7	1042.4	1043.1	1045.5	1045.3	1045.7	59.5	1047.2	1046.8	1047.7	1050.9	59.3
*29	1047.7	64.2	1050.5	1054.	1055.3	1055.2	1054.	64.1	1056.	1053.	1057.9	1057.4	64.6
*30	1090.4	57.6	1088.6	1089.8	1093.2	1090.5	1093.9	57.	1088.6	1080.7	1074.9	1069.5	56.7
Means	1042.8	62.1	1043.2	1043.9	1043.9	1044.1	1043.9	62.	1043.6	1043.4	1043.4	1043.4	61.8
Reduced to 32° F.	979.6		980.	980.7	980.8	981.	980.9		980.7	980.6	980.7	980.8	

* See disturbance observations.

Göttingen time.. Observatory time	*h. m.* 21 02 15 21½	Therm., Fah.	*h. m.* 21 08 15 27½	*h. m.* 21 14 15 33½	*h. m.* 21 20 15 39½	*h. m.* 21 26 15 45½	*h. m.* 21 32 15 51½	Therm., Fah.	*h. m.* 21 38 15 57½	*h. m.* 21 44 16 03½	*h. m.* 21 50 16 09½	*h. m.* 21 56 16 15½
Mar. 1	1054.9	71.8	1055.	1059.4	1060.	1060.3	1068.8	71.8	1059.4	1058.6	1061.2	1065.
*2	1061.1	67.7	1066.8	1057.3	1057.4	1061.8	1067.3	67.7	1074.8	1077.9	1086.3	1083.9
*4	1043.8	58.1	1038.6	1045.4	1041.9	1035.4	1034.2	57.4	1031.1	1041.5	1044.2	1047.9
*5	1045.1	62.9	1049.6	1051.	1050.2	1051.4	1057.1	§62.	1056.3	1055.5	1060.1	1060.8
6	1053.8	63.5	1055.5	1057.	1056.1	1056.7	1056.8	64.6	1057.	1056.8	1054.9	1058.
7	†1078.2	66.6	1079.4	1081.	1077.8	1077.9	1078.3	66.8	1079.3	1077.7	1082.1	1072.5
8	1064.1	64.9	1065.7	1063.9	1063.9	1065.3	1070.8	64.8	1069.4	1071.3	1070.6	1071.2
9	1073.9	69.5	1075.3	1064.2	1066.1	1066.1	1064.1	69.6	1063.9	1063.6	1070.1	1073.1
11	1047.8	63.5	1046.7	1048.	1048.5	1049.5	1053.6	64.1	‖1058.5	1057.1	1054.5	1053.2
12	1074.9	67.4	1073.5	1074.4	1073.4	1070.8	‡1073.	67.7	1072.5	1072.1	1071.8	1069.7
13	1065.8	71.4	1059.2	1063.3	1065.4	1066.7	1067.4	71.5	1068.5	1066.1	1067.6	1067.6
14	1042.6	67.3	1044.1	1043.3	1042.8	1044.7	1044.2	67.4	1043.6	1040.8	1041.9	1039.8
15	1036.9	62.9	1037.1	1039.1	1037.8	1038.2	1039.2	62.8	1035.8	1038.6	1035.1	1035.5
16	1033.4	60.	1032.5	1033.2	1033.1	1033.3	1032.3	59.7	1032.4	1033.3	1031.2	1031.
18	1043.6	56.4	1046.2	1038.7	1035.6	1031.4	1027.8	55.5	1031.6	1033.4	1034.4	1037.7
19	1020.2	51.7	1017.9	1015.9	1014.2	1015.4	1014.2	52.2	1013.9	1012.4	1015.	1014.6
20	1034.1	59.9	1031.2	1035.9	1035.2	1034.6	1034.2	60.4	1032.8	1034.2	1034.3	1034.2
21	1023.6	55.2	1024.1	1023.2	1023.2	1025.7	1022.3	55.1	1021.9	1021.5	1021.9	1023.5
22	1028.7	56.	1028.1	1026.2	1026.8	1025.5	1023.8	56.4	1024.5	1026.1	1028.1	1027.5
23	1020.5	57.2	1020.8	1019.4	1019.7	1019.5	1020.	57.	1019.6	1019.1	1016.1	1017.1
25	1053.	65 6	1054.6	1054.8	1054.	1051.4	1050.5	66.3	1049.6	1051.9	1050.8	1051.9
26	1049.8	65.6	1049.5	1049.6	1049.5	1049.7	1049.2	§65.9	1047.6	1049.9	1049.7	1049.
27	1054.1	66.	1053.1	1058.1	1060.6	1062.3	1063.6	66.1	1067.1	1066.3	1065.3	1063.8
28	1048.5	65.6	1053.3	1052.	1049.2	1050.3	1048.4	66.	1051.6	1050.	1044.3	1042.5
*29	1056.4	68.6	1057.7	1060.6	1065.	1068.9	1065.5	69.3	1069.6	1067.5	1070.2	1074.4
*30	1081.8	61.1	1075.9	1071.3	1070.3	1071.1	1077.4	61.5	1080.	1078.	1083.1	1084.3
Means	1049.6	63.3	1049.8	1049.6	1049.1	1049.4	1050.2	63.4	1050.5	1050.8	1051.2	1051.2

Göttingen time Observatory time	*h. m.* 22 02 16 21½	Therm., Fah.	*h. m.* 22 08 16 27½	*h. m.* 22 14 16 33½	*h. m.* 22 20 16 39½	*h. m.* 22 26 16 45½	*h. m.* 22 32 16 51½	Therm., Fah.	*h. m.* 22 38 16 57½	*h. m.* 22 44 17 03½	*h. m.* 22 50 17 09½	*h. m.* 22 56 17 15½	Therm., Fah.
Mar. 1	1064.1	71.7	1065.	1066.	1068.2	1068.8	1068.7	71.4	1067.8	1064.1	1065.	1065.6	71.3
*2	1088.7	67.4	1084.	1084.8	1093.5	1089.	1084.8	67.3	1084.6	1096.8	1103.5	1100.1	67.1
*4	1058.5	57.	1057.4	1062.	1056.2	1050.8	1053.8	56.8	1051.2	1046.9	1038.3	1034.1	56.8
*5	1062.9	61.5	1071.8	1083.7	1088.2	1102.8	1104.2	61.	1089.8	1090.1	1093.1	1080.5	61.8
6	1054.5	63.4	1052.9	1054.1	1052.	1048.5	1049.9	63.4	1052.6	1053.5	1053.	1053.7	63.7
7	1065.2	66.9	1062.3	1063.8	1067.3	1070.	1078.3	66.8	1070.3	1062.5	1066.3	1072.5	66.8
8	1070.5	64.7	1070.7	1071.6	1075.3	1071.2	1066.5	64.5	1066.2	1068.	1067.8	1066.4	64.4
9	1074.7	69.5	1075.8	1075.1	1075.	1075.1	1076.5	69.4	1075.8	1073.6	1069.6	1067.7	69.3
11	1054.5	64.6	1056.6	1056.6	1056.9	1057.5	1059.7	65.3	1059.9	1061.8	1063.2	1064.5	65.6
12	1070.3	66.2	1070.4	1068.9	1065.9	1066.3	1065.9	65.8	1065.5	1066.7	1066.3	1071.9	65.5
13	1064.4	71.2	1061.5	1060.8	1060.7	1059.7	1058.4	71.4	1057.3	†1056.9	1056.3	1055.5	71.5
14	1037.1	67.6	1037.8	1037.5	1036.7	1037.1	1039.	67.7	1050.5	1051.3	1050.6	1051.5	67.9
15	1035.9	62.3	1037.	1037.3	1038.	1037.1	1037.6	62.	1038.4	1037.6	1039.1	1036.3	61.6
16	1033.6	59.5	1033.4	1033.2	1033.1	1033.3	1032.2	59.3	1033.1	1033.1	1035.3	1034.3	59.
18	1037.2	55.	1034.	1035.3	1028.7	1032.4	1027.7	54.6	1030.	1028.6	1032.5	1034.5	54.3
19	1015.1	52.5	1014.4	1014.2	1013.6	1013.6	1013.4	52.9	1014.5	1020.2	1018.6	1015.7	53.2
20	1037.6	60.9	1040.	1043.3	1046.4	1045.6	1043.2	61.3	1040.9	1042.5	1042.3	1042.1	62.1
21	1024.8	55.2	1023.7	1021.4	1026.2	1029.2	1031.	55.3	1031.6	1032.9	1031.4	1027.1	55.6
22	1025.8	57.	1024.1	1026.5	1028.1	1028.3	1027.9	58.	1029.9	1031.7	1031.8	1031.5	59.
23	1018.2	56.9	1017.9	1019.1	1021.1	1019.8	1019.8	56.9	1019.4	1019.1	1017.6	1017.8	56.9
25	1051.4	67.	1050.1	1049.5	1049.	1049.	1050.6	67.6	1051.2	1051.9	1052.6	1052.2	68.2
26	1046.	66.1	1037.7	1042.4	1044.	1045.7	1045.5	66.6	1045.	1045.8	1043.9	1046.3	66.8
27	1066.7	65.9	1065.9	1064.3	1063.1	1061.7	1060.8	65.4	1059.1	1057.4	1058.7	1057.	65.
28	1048.	66.	1050.3	1050.6	1053.3	1055.	1052.	65.8	1051.7	1052.6	1053.3	1051.	65.8
*29	1080.2	69.6	1092.3	1094.7	1099.3	1101.	1103.3	69.8	1108.7	1101.9	1105.6	1104.3	69.7
*30	1080.7	62.	1077.8	1080.7	1085.3	1099.	1080.2	62.3	1050.8	1048.3	1051.4	1053.5	62.3
Means	1052.6	63.4	1052.5	1053.8	1054.8	1055.3	1055.	63.4	1053.7	1053.7	1054.1	1053.4	63.5
Reduced to 32° F.	986.7		986.6	987.9	988.9	989.4	989.1		987.8	987.7	988.	987.2	

* See disturbance observations.

† One minute late.

Göttingen time.. Observatory time	*h. m.* 1 02 19 21½	Therm., Fah.	*h. m.* 1 08 19 27½	*h. m.* 1 14 19 33½	*h. m.* 1 20 19 39½	*h. m.* 1 26 19 45½	*h. m.* 1 32 19 51½	Therm., Fah.	*h. m.* 1 38 19 57½	*h. m.* 1 44 20 03½	*h. m.* 1 50 20 09½	*h. m.* 1 56 20 15½
Mar. 1	1062.3	70.3	1063.8	1062.8	1061.4	1059.7	1059.5	70.3	1057.7	1055.7	1055.8	1057.
*2	1069.	66.6	1070.4	1072.1	1070.3	1065.9	1061.7	66.9	1062.3	1060.	1057.5	1056.7
*4	1033.3	54.5	1032.5	1031.5	1030.2	1032.9	1038.	¶53.5	1045.	1048.4	1054.1	1049.9
*5	1070.1	60.9	1072.7	1075.6	1076.	1070.7	1070.6	61.3	1076.2	1080.2	1084.	1081.2
6	1072.3	64.	1070.3	1066.8	1066.6	1070.6	1069.3	¶64.1	1063.1	1064.	1064.3	1064.5
7	1084.1	67.2	1082.9	1078.9	1076.	1072.7	1074.5	67.3	1082.	1086.7	1081.5	1075.3
*8	1067.1	66.2	1066.1	1066	1067.2	1070.3	1067.8	¶66.7	1067.	1061.7	1054.7	1060.5
9	1068.7	69.8	1070.1	1072.8	1071.7	1071.4	1072.9	70.3	1074.1	1072.6	1071.9	1069.4
11	1061.2	64.4	1060.2	1060.8	§1061.	1060.	1059.3	63.8	1058.4	1058.4	1058.1	1058.1
12	1063.7	65.4	1064.9	1063.	1062.1	1063.2	1063.3	¶65.7	1065.2	1066.8	1066.5	1066.6
13	1057.2	71.7	1056.5	§1055.1	1056.1	1057.8	1058.7	72.4	1058.4	1057.5	1060.1	1061.9
14	1051.4	68.	1051.1	1051.6	1050.4	1050.	1050.9	¶68.1	1051.9	1054.3	1052.9	1053.
15	1033.7	60.5	1034.7	1035.2	1032.	1033.2	1033.3	61.1	§1034.4	1033.6	1033.8	1033.6
16	1030.	58.6	1029.4	1028.8	1030.	1028.7	1030.1	59.5	1028.2	1029.6	1028.1	1028.6
18	1019.9	53.3	1019.4	1014.	1012.1	1014.4	1018.4	52.5	1019.3	1018.1	1014.1	1013.4
19	1024.3	55.	1025.5	1023.6	1022.3	1016.7	1018.5	55.1	1024.3	1025.	1023.4	1022.2
20	1039.4	65.3	1038.2	1041.2	1038.6	1038.8	1040.8	65.6	1038.8	1039.8	1039.5	1039.9
21	1020.7	56.3	1018.4	1021.9	1022.	1023.4	1022.5	56.9	1020.7	1022.5	1021.3	1020.
22	1025.6	60.9	1027.2	1025.4	1025.2	1025.9	1026.8	61.2	1028.2	1027.3	1029.6	1028.6
23	1024.4	58.	1024.6	1024.6	1023.9	1023.8	1026.1	58.	1024.4	1024.9	1025.5	1025.1
25	1054.2	68.9	1051.2	1052.7	1054.3	1057.6	1057.6	69.2	1059.5	1062.	1062.5	1061.1
26	1050.	66.4	1051.3	1050.9	1049.7	1048.3	1048.5	66.6	1047.	1046.3	1047.7	1046.6
27	1077.5	62.6	1082.2	1081.8	1078.6	1077.	1075.2	62.3	1073.1	1073.4	1072.8	1070.8
28	1053.2	66.2	1053.5	1054.7	1055.7	1056.8	1055.5	67.	1055.3	1055.6	1056.2	1056.2
*29	†1126.4	69.6	‖1125.7	‖1137.2	1123.5	1121.3	1111.4	70.	1139.5	1146.3	1110.3	1091.7
*30	1064.1	60.2	1062.9	1062.5	1061.5	1064.5	1070.4	60.	1074.5	1077.9	1079.	1079.1

Göttingen time Observatory time	*h. m.* 2 02 20 21½	Therm., Fah.	*h. m.* 2 08 20 27½	*h. m.* 2 14 20 33½	*h. m.* 2 20 20 39½	*h. m.* 2 26 20 45½	*h. m.* 2 32 20 51½	Therm., Fah.	*h. m.* 2 38 20 57½	*h. m.* 2 44 21 03½	*h. m.* 2 50 21 09½	*h. m.* 2 56 21 15½	Therm., Fah.
Mar. 1	1056.8	70.8	1056.5	1058.3	1058.8	1061.	1063.4	70.7	1065.1	1065.1	1064.6	1064.5	70.2
*2	1060.3	67.	1059.5	1056.6	1059.1	1061.6	1075.1	67.8	1079.2	1078.2	1078.5	1076.3	68.5
*4	1051.2	52.6	1047.7	1044.1	1036.7	1032.2	1026.7	51.7	1029.8	1039.1	1044.1	1041.4	51.8
*5	1091.5	61.3	1079.1	1076.8	1077.4	1074.3	1069.	‡61.1	1067.7	1072.1	1075.5	1078.1	60.5
6	1063.3	64.4	1061.8	1058.1	1055.2	1055.5	1053.7	64.5	1055.9	1056.4	1059.8	1059.	64.6
7	1074.3	67.1	1073.2	1071.4	1070.2	1066.	1064.8	67	1065.6	1073.6	1078.6	1083.1	66.9
*8	1059.	67.2	1054.1	1058.2	1056.9	1045.1	1037.3	68.3	1042 3	1049.3	1057.5	1065.7	69.4
9	1066.	70.3	1062.	1061.5	1061.3	1059.7	1059.3	69.8	1059.9	1060.1	1058.	1058.4	69.5
11	1056.6	63.3	1056.3	1055.4	†1055.9	1053 4	1051.6	62.7	1052.2	1053.3	1053.8	1053.9	62.2
12	1065.	66.2	1063.6	1064.1	1066.6	1066.4	1065.2	67.	1064 6	1065.5	1066.2	1065.8	67.3
13	1063.7	73.3	1062.5	1062.8	1063.	1062.	1062.1	74.1	1062.7	1062.8	1062.8	1063.1	74.3
14	1055.	68.2	1055.2	1054.2	1054.7	1055.	1054.7	68.	1055.2	1055.2	1054.1	1051.7	67.8
15	1034.2	61.4	1035.9	1035.5	1036.5	1035.3	1035.3	61.2	1033.9	1035.4	1036.	1035.3	61.
16	1029.5	59.7	1027.6	1028.7	1028.7	1030.1	1031.1	60.5	1029.	1029.	1031.4	1031.4	61.3
18	1012.3	51.9	1012.8	1012.3	1010 9	1012.	1011.4	51.8	1012.4	1013.5	1012.	1013.2	51.9
19	1021.5	55.1	1021.5	1026.3	1022.3	1021.7	1021.1	55.2	1022.2	1019.7	1022.9	1018.7	55.3
20	1039.9	65 8	1039.5	1040.9	1040.6	1040.7	1040.6	65.8	1040.2	1038.	1040.5	1040.7	65.8
21	1022.2	57.2	1021.4	1022.5	1025.	1024.2	1025.9	57.6	1026.	1025.7	1025.1	1026.4	57.5
22	1028.3	61.3	1028.9	1029.7	1030.5	1030.6	1031.2	61.	1030.4	1031.2	1031.6	1031.1	60.6
23	1025.7	58.	1025.1	1023.2	1022.5	1020.6	1020.9	58.	1021.4	1022.3	1022.8	1023.	57.9
25	1059.9	69.5	1059.2	1058.	1058 3	1059.1	1061.4	69.5	1062.1	1062.7	1063.7	1062.7	69.3
26	1046.9	67.	1046.4	1046.1	1047.3	1048.2	1048.	67.7	1048.5	1049.	1048.3	1048.9	68.2
27	1068.6	62.1	1065.3	1063.5	1061.4	1058.1	1057.6	61.9	1054.2	1053.5	1053.7	1055.1	61.7
28	1054.3	67.4	1055.7	1056.2	1056.4	1057.3	1059.2	68.2	1058.5	1057.6	1058.4	1057.3	68.4
*29	1088.	70.3	1083.3	1083.1	1093.	1092.9	1087.4	70.4	1084.5	1099.2	1111.6	1120.	70.2
*30	1081.1	60.	1082.8	1070.4	1045.5	1038.3	1042.4	59.8	1040.6	1040.9	1052.	1057.5	59.9
Means	1052.5	63.8	1051.4	1051.2	1050.3	1048.6	1046.6	63 9	1047.	1050.2	1052.4	1053.5	63.9
Reduced to 32° F	985.7		984.6	984 4	983.4	981.7	979.6		980.	983.2	985.4	986.5	

* See disturbance observations. † One minute late. ‡ Supplied.

Göttingen time.. Observatory time.	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 39½	h. m. 16 26 10 45½
Mar. 1	1055.6	69.5	1055.4	1056.	1055.6	1055.4	1057.4	70.	1055.	†1057.6	1056.3	1056.6
2	1049.	70.2	1049.2	1051.1	1051.2	1050.9	1052.7	70.1	1054.1	1053.2	1052.9	1053.1
*4	1058.3	62.1	1056.4	1056.4	1056.4	1060.9	1061.	61.3	1070.2	1070.6	1072.4	1072.1
*5	1040.5	58.6	1036.3	1035.4	1035.4	1034.	1033.3	59.1	1035.6	1035.9	1034.9	1034.6
*6	1072.5	64.4	1072.3	1069.1	1064.9	1063.1	1065.3	65.2	1069.	1073.9	1074.6	1068.5
7	1078.2	63.1	†1078.6	1082.2	1083.1	1087.7	1088.6	63.1	1090.2	1091.2	1090.4	1086.4
8	1077.5	67.7	1078.2	1080.9	1084.1	1081.	1082.2	67.8	1083.7	1083.4	1085.6	1084.9
9	1066.3	67.9	1066.8	1069.1	1069.7	1070.8	1073.4	68.3	1074.8	1071.8	1074.6	1076.3
11	1049.3	65.9	1051.1	1049.8	1050.1	1050.9	1053.	66.4	1054.	1054.7	1056.2	1058.5
12	1057.9	63.6	1057.6	1052.5	1050.5	1053.5	1055.1	64.4	1056.7	1060.3	1065.3	1068.3
13	1074.3	69.1	1073.3	1074.	1074.3	1074.5	1075.8	69.4	1077.2	1076.6	1078.	1078.6
14	1059.6	65.5	1058.1	1058.9	1058.9	1057.3	1059.4	65.3	1058.8	1059.8	§1059.4	1058.6
15	1050.7	63.4	1050.3	1051.7	1052.	1054.5	1051.6	63.8	1054.7	1055.7	1057.3	1055.6
16	1056.	62.3	1057.2	1055.9	1056.8	1057.	1056.2	62.1	1055.3	1056.4	1056.3	1056.1
18	1042.9	59.8	1043.7	1043.6	1045.	1044.8	1045.9	59.4	1046.5	1046.5	1047.3	1047.5
19	1033.6	52.6	1034.3	1035.	1035.4	1034.4	1037.	51.9	1034.3	1034.1	1035.6	1035.3
20	1052.3	58.4	1052.8	‡1053.9	1053.1	1053.4	1055.	58.3	1054.5	1054.4	1054.8	1054.6
21	1043.6	56.8	1043.	1045.	1044.6	1044.3	1046.3	56.1	1041.2	1046.1	1045.9	1046.3
22	1029.7	51.7	1029.5	1031.1	1031.2	1033.4	1033.8	51.8	1032.7	1035.2	1034.5	1034.7
23	1035.	55.3	1035.2	1036.3	1036.8	1037.2	1040.2	55.1	1040.7	1043.5	1043.2	1044.1
25	1039.8	58.6	1040.2	1041.8	1043.4	1044.7	1045.1	58.9	1048.3	1049.4	1049.3	1051.
26	1051.3	63.5	1051.4	1050.4	1051.1	1050.5	1050.3	63.6	1050.6	1050.8	1050.7	1050.
27	1057.1	62.8	‡1053.8	1053.5	1052.9	1052.	1050.9	63.3	1049.9	1049.7	1050.7	1049.7
28	1062.6	58.3	1064.4	1065.4	1065.	1065.	1063.6	58.4	1064.5	1061.8	1063.3	1063.1
*29	1080.9	66.7	1081.8	1083.	1082.5	1083.1	1082.1	67.	1082.9	1082.8	1083.7	1086.1
*30	1121.1	55.1	1119.2	1111.6	1108.9	1103.4	1104.9	55.1	1090.2	1082.8	1089.3	1091.2
Means	1057.5	62.	1057.3	1057.4	1057.4	1057.3	1058.5	62.1	1058.8	1059.1	1060.1	1060.1

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
Mar. 1	1056.6	70.2	‡1059.	1056.4	1056.9	1057.3	1058.4	70.2	1058.8	1059.1	1059.4	1054.5	70.2
2	1055.4	70.1	1055.9	1057.6	1058.9	1059.8	1060.6	70.	1062.	1063.5	1063.8	1064.2	69.7
*4	1070 7	60.2	1069.	1064.6	1059.2	1052.1	1048.5	59.3	1048.2	1048.	1048.4	1048.4	59.4
*5	1036.1	60.	1038.2	1038.3	1039.6	1038.3	1038.3	60.5	1041.2	1042.5	1041.3	1045.6	60.9
*6	1082.2	65.2	1073.1	1076.5	1081.3	1075.	1077.9	65.	¶1075.6	1073.2	1072.1	1073.7	65.
7	1083.7	63.	1082.6	1082.2	1080.1	1082.	1078.9	63.	1077.9	1077.9	1081.3	1088.3	†62.8
8	1084.5	†67.4	1083.9	1081.	1082.9	1085.9	1083.5	66.9	1080.7	1081.3	1084.3	1083.9	†66.5
9	1078.2	68.7	1078.4	1080.	1078.8	1080.9	1079.6	69.	1082.2	1081.	1079 1	1080.2	69.3
11	1059.9	67.5	1061.	1061.1	1061.8	1063.7	1064.	67.8	1065 6	1061.9	‖1065.8	1066.1	67.9
12	1069.7	65.8	1071.8	1072.5	1071.4	1072.4	1073.5	66.9	1075.5	1076.6	1078.1	1081.6	68.1
13	1076.2	†69.5	1077.6	1077.1	1079 2	1080.2	1078.7	69.8	1077 6	1077.8	1080.2	1082.8	69.9
14	1058.5	65.3	1058.7	§1058.6	1058.2	1058.4	1057.6	65.5	1058.	1060.5	1059.3	1059.4	65.7
15	1056.8	63.6	1057.4	1057.5	1058.9	1058.	1057.5	63.2	1057.	1057.4	1056.8	1058.1	62.9
16	1057.2	62.1	1056.7	1057.8	1056.2	1056.6	1057.9	61.9	1056.4	1056.	1056.	1055.	61.6
18	1046.6	59.1	1048.5	1048.6	1049.6	1049.9	1049.2	58.9	1048.1	1048.9	1050.8	1052.1	58.9
19	1037.1	51.5	1036.4	1037.1	1038.3	1038.5	1040.	51.2	1041.8	1043.3	1014.7	1044.1	51.3
20	1055.8	58.3	1055.9	1055.3	1055.	1055.2	1054.5	58.2	1054.2	1053.9	1055.3	1055.6	†58.
21	1049.	55.8	1048.5	1049 7	1049.7	1049 6	1050.	55.1	1050.1	1050.7	1052.	1054.3	54.5
22	1037.	52.2	1039.2	1037.7	1038.6	1040.	1040.4	52 7	1040.3	1040.5	1041.1	1041.5	53.1
23	1044.4	55.1	1044.3	1043.5	1044.5	1044.	1042 4	55.	1043.5	‖041.3	1042.5	1041.2	55.2
25	1049.4	59.6	1051.	1051.	‖1053.2	1053.2	1053.6	60.1	1055.4	1056.5	1054.5	1055.1	60.5
26	1052.3	64.2	1051.9	1053.2	1050.	1054.5	1054.8	64.6	1056.4	1056.8	1057.8	1058.	64.8
27	1050.1	64.2	1051.3	1053.9	1051.4	1055.9	1052.8	64.7	1055.	1052.1	1058.2	1058.3	65.2
28	1062.5	58.4	1063.2	1062.9	1058.4	1056.4	1058.1	58.5	1057.7	1059.4	1060.9	1060.1	58.9
29	1089.4	67.5	1083.4	1090.3	1090.4	1090.6	1090 2	67.8	1088.7	1089.5	1090.9	1090.7	67.9
*30	1081.7	55.3	1079.2	1079.	1083.9	1085.7	1086.7	56.	1087.2	1090.1	1095.6	1094.1	56.6
Means	1060.8	62.3	1060 6	1060.9	1061.	1061.3	1061.1	62.4	1061.4	1061.6	1062.7	1063.3	62.5
Reduced to 32° F.	997.2		997.	997.3	997.3	997.6	997.3		997.6	997.7	998.7	999.2	

* See disturbance observations. † Supplied. ‡ Two minutes late. § Twenty seconds late. ‖ One minute late. ¶ Four minutes late.

Göttingen time.. Observatory time.	*h. m.* 22 04 16 23½	Therm., Fah.	*h. m.* 22 10 16 29½	*h. m.* 22 16 16 35½	*h. m.* 22 22 16 41½	*h. m.* 22 28 16 47½	*h. m.* 22 34 16 53½	Therm., Fah	*h. m.* 22 40 16 59½	*h. m.* 22 46 17 05½	*h. m.* 22 52 17 11½	*h. m.* 22 58 17 17½
Mar. 1	870.6	75.3	869.5	869.2	868.4	867.4	866.	74.8	864.6	863.	861.9	861.
•2	790.8	70.3	790.	788.9	789.2	789.2	788.7	70.3	787.4	785 9	784.6	781.7
•4	687.7	62.3	684.4	682.6	679.7	679.1	680.3	62.3	680.1	679.8	679.1	678.
•5	778.9	68.	777.8	774.3	769.8	765.1	762.2	67.5	761.2	758.3	756.4	754.4
6	759.1	67.8	758.8	758.3	757.4	756.5	756.1	68.1	756.	755.5	755.2	755.1
7	798.2	71.3	798.4	797.5	797.1	796.4	796.5	71.1	795.6	794.7	793.6	793.6
8	775.	67.1	773.8	772.7	772.3	771.9	771.1	67.	770.3	770.	769.4	768.6
9	855.	73.1	852.6	852.2	852.3	852.1	852.2	73.	851.5	851.3	850.9	850.9
11	766.5	68.4	766.6	766.3	766.1	766.3	766.8	68.7	767.	767.3	767.4	767.3
12	821.3	69.3	818.9	816.6	814.7	812.1	810.3	68.6	807.5	806.	804.4	802.7
13	871.2	74.3	870.6	870.9	870.8	871.	870.7	74.5	871.1	871.4	871.7	871.8
14	825.7	71.1	825.3	825.	824.9	824.9	825.2	71.2	826.4	826.5	827.2	827.8
15	774.6	66.3	774.1	773.6	772.6	772.4	771.5	66.	771.1	770.5	769.4	767.5
16	725.1	63.	724.4	723.3	723.	722.6	721.5	62.8	720.7	720.	719.	718.
18	677.4	59.6	676.5	675.	673.7	671.9	669.2	59.	667.9	666.2	664.1	663.
19	610.8	56.7	611.2	611.3	611.4	611.4	612.2	57.	612 9	614.7	615.7	617.1
20	711.9	64.2	713.	714.1	715.5	716.9	717.5	64.9	719.	721.2	722.5	724.2
21	650.	59.2	648.9	649.4	649.3	650.8	651.9	59.5	652.	652.8	653.1	653.9
22	668.6	61.9	670.	671.6	673.8	676.1	678.3	63.	681.7	684.9	687.3	690.8
23	673.5	60.2	672.9	671.6	671.	670.2	669.9	59.9	668.8	668.	667.2	667.
25	791.	69.6	792.9	793.9	795.5	797.4	798.9	70.1	800.6	802.3	803.9	805.1
26	794.8	68.8	795.	795.8	797.	797.6	798.1	69.	799.	800.1	800.1	800.8
27	803.2	68.3	803.4	803.4	803.5	802.8	802.3	68.	802.	801.6	800.6	799 9
28	813.2	69.8	813.5	815.	815.9	816.3	816.5	69.3	816.6	816.5	816.4	815.9
•29	835.	72.8	834.8	834.6	833.8	834.3	835.	72.9	834.1	833.9	833.3	830.8
•30	761.	67.7	763.7	765.5	768.2	771.4	773.	68.	774.	775.2	775.9	777.
Means	765.	67.2	764.7	764.5	764.1	764.	763.8	67.2	763 8	763.6	763.4	763.3
Reduced to 32° F.	289.8		289.5	289.3	288.9	288.8	288.6		288.9	289.	289.1	289.2

Göttingen time..... Observatory time.....	*h. m.* 23 04 17 23½	Therm., Fah.	*h. m.* 23 10 17 29½	*h. m.* 23 16 17 35½	*h. m.* 23 22 17 41½	*h. m.* 23 28 17 47½	*h. m.* 23 34 17 53½	Therm., Fah.	*h. m.* 23 40 17 59½	*h. m.* 23 46 18 05½	*h. m.* 23 52 18 11½	*h. m.* 23 58 18 17½	Therm., Fah.
Mar. 1.....	860.1	74.4	858.9	858.1	856.9	855.8	854.4	73.9	853.6	852.1	851.3	850.	73.6
*2.....	778.2	70.1	777.7	779.4	780.8	781.	781.2	70.	781.1	781.5	781.1	780.	69.6
*4.....	677.1	62.3	676.3	675.8	675.6	675.7	675.6	§62.1	675.3	675.1	675.1	674.5	61.7
*5.....	†750.2	67.	749 4	747.7	745.4	743.	742.3	66.3	740.6	739.8	738.9	738.8	66.2
6.....	754.5	68.4	754.4	754.9	755.	755.4	755.7	68.3	756.1	756.5	756.4	757.	68.2
7.....	793.2	71.	794.6	796.	796.8	797.2	797.	71.	797.1	797.3	797 4	796.4	71.
8.....	768.4	67.	767.9	768.4	768.4	768.6	769.	67.6	769.8	769.7	770.7	771.4	68.3
9.....	850.	72.	849.3	849.3	849.	848.9	848.6	72.8	848.1	847.9	848.	848.3	73.
11.....	767.3	68.6	768.2	768.9	770.2	770.7	770.6	68.	770.8	770.8	770.9	771.3	68.
12.....	802.	68.4	800.7	799.1	798.5	797.8	796.8	68.5	796.	795.1	794.1	793.8	68.6
13.....	871.9	74.5	871.8	872.	872.2	872.6	873.	74.4	873.1	873.3	873.3	873.6	74.4
14.....	827 5	71.3	828.4	828.	827.9	828.2	828.3	71.4	828.4	828.6	828.8	829.	71.3
15.....	765.6	65.	765.5	762.7	760.8	758.8	757.	64.5	754.4	753.2	751 8	750.5	64.2
16.....	716.9	62.3	715.8	714.9	713.6	713.1	712.	62.	710.9	710.	709.4	708.1	61.9
18.....	661.3	58.4	659.6	658.7	658.	657.5	656.7	58.2	656.2	655.1	654.8	654.	58.2
19.....	617.8	57.3	618.7	619.7	621.	622.3	623.6	58.	617.	619.	621.2	623.2	58.6
20.....	726.6	65.8	729.3	732.1	733 9	736.9	739.2	66.8	742.	744.9	747.8	750.4	67.9
21.....	654.2	59.9	655.1	656.	‡657.1	657.9	658.9	ǀ60.	660.	660.8	661.5	662.1	60.1
22.....	693.1	64.1	696.1	698.3	702.2	704.9	708.7	64.9	711.8	713.8	716.5	718.9	65.
23.....	666.5	59.9	666.5	666.2	666.5	665.9	‡666.2	ǀ60.	666.1	666 2	667.1	668.3	60.3
25.....	806.4	70.5	†808 3	808.9	810.	811.2	812.2	70.7	813.2	814.3	815.6	816.6	70.8
26.....	801.5	69.1	802.4	802.9	803.	803.4	§804.1	ǀ69.1	804.6	804.6	805.	804.9	69.
27.....	798.5	67.6	797.6	797.	795.3	794.3	793.1	66.8	‡791.7	790.9	789.4	788.	66.2
28.....	816.3	69.2	818.2	816.1	816.3	816.1	816.5	69.2	816.6	816 5	816.7	816.3	69.2
*29.....	829.6	72.4	827.8	827.	825.2	823.9	823.1	72.2	822.6	823.8	824.9	824.	72.1
*30.....	777.7	67.4	778.7	778.5	778.2	777.8	777.7	66.7	776 8	776.3	776.	775.1	65.7
Means.....	762.8	67.1	763.	762.9	762.8	763.	763.1	67.1	762.8	763.	763.2	763.2	67.
Reduced to 32° F.....	289.		289.2	289.1	289.	289.2	289.3		289.3	289.8	290.3	290.7	

* See disturbance observations. † Two minutes late. ‡ One minute late. § Thirty seconds late. ǀ Supplied.

Göttingen time.. Observatory time.	*h. m.* 12 34 6 53½	Therm., Fah.	*h. m.* 12 40 6 59½	*h. m.* 12 46 7 05½	*h. m.* 12 52 7 11½	*h. m.* 12 58 7 17½	*h. m.* 13 04 7 23½	Therm., Fah.	*h. m.* 13 10 7 29½	*h. m.* 13 16 7 35½	*h. m.* 13 22 7 41½	*h. m.* 13 28 7 47½
Mar. 1.....	855.9	74.4	856.4	856.9	857.4	857.5	855.5	74.2	855.2	854.7	854.8	854.4
2.....	808.	71.3	808.8	809.3	809.4	810.1	810.1	71.7	810.8	812.1	813.7	814.3
4.....	778.1	70.2	779.1	780.8	782.9	785.3	789.2	70.7	791.7	792.2	792.1	791.8
*5.....	782.8	66.5	780.	779.8	776.7	775.4	773.1	66.5	771.2	769.7	768.9	768.
*6.....	732.2	†66.	732.9	734.	734.4	736.5	738.	67.	740.2	741.2	742.4	745.2
7.....	790.6	69.	789.7	788.9	787.5	786.7	785.8	68.7	784.9	783.4	782.8	781.9
8.....	771.8	68.6	771.6	771.5	771.8	772.1	772.5	69.	773.8	774.	774.2	775.3
9.....	754.1	65.7	753.5	752.	750.9	750.	748.2	65.4	747.5	746.6	745.9	745.8
11.....	793.1	69.3	793.7	‡795.	795.9	797.9	799.	70.2	800.7	802.7	803.9	806.2
12.....	851.5	73.6	852.5	854.1	855.5	857.1	859.1	74.4	861.2	863.1	865.1	867.3
13.....	873.9	73.9	873.6	873.7	872.8	872.1	871.4	73.4	870.9	869.3	868.	867.4
14.....	821.	69.8	817.9	816.2	815.8	815.9	814.8	70.	814.6	814.4	813.8	814.
15.....	768.	66.8	767.9	768.	768.3	768.5	768.6	66.9	768.4	768.5	767.9	767.8
16.....	773.2	66.4	773.5	773.	772.9	772.8	772.9	66.8	772.5	772.8	773.	773.3
18.....	770.1	65.	768.5	767.2	765.1	763.9	762.3	65.2	761.1	760.7	758.5	759.3
19.....	680.	60.5	680.2	680.9	681.7	682.9	683.	60.9	683.7	684.2	684.9	686.
20.....	723.7	61.6	720.9	718.5	716.7	714.8	712.2	61.1	710.7	708.3	706.9	705.4
21.....	778.1	66.	775.8	772.4	770.6	768.4	765.3	65.	762.9	761.1	758.7	756.9
22.....	619.8	56.	619.1	619.3	619.7	620.7	619.8	56.3	620.3	620.2	619.5	619.1
23.....	684.9	60.	684.6	684.2	683.5	682.8	682.6	59.9	682.1	681.2	680.2	679.4
25.....	731.	62.5	730.2	729.3	728.2	727.3	726.1	61.9	724.6	722.5	721.6	720.3
26.....	802.7	67.6	802.2	800.9	800.8	799.6	798.6	67.4	797.3	796.3	795.7	795.1
27.....	827.9	70.3	827.8	827.5	827.7	827.9	827.4	70.1	827.8	826.1	826.	825.8
28.....	734.9	63.	734.4	734.1	733.	733.	731.6	62.8	731.1	730.4	729.3	728.4
*29.....	794.9	68.2	795.	796.	796.	796.1	796.2	68.5	796.7	796.9	797.	797.5
*30.....	714.5	60.	712.5	710.	705.5	701.7	699.5	59.7	697.4	695.7	693.8	691.6

Göttingen time Observatory time	*h. m.* 13 34 7 53½	Therm., Fah.	*h. m.* 13 40 7 59½	*h. m.* 13 46 8 05½	*h. m.* 13 52 8 11½	*h. m.* 13 58 8 17½	*h. m.* 14 04 8 23½	Therm., Fah.	*h. m.* 14 10 8 29½	*h. m.* 14 16 8 35½	*h. m.* 14 22 8 41½	*h. m.* 14 28 8 47½	Therm., Fah.
Mar. 1	854.1	74.	853.9	853.5	853.5	852.5	852.2	74.1	852.1	852.8	853.1	853.6	74.6
2	816.	72.5	817.4	819.	821.	822.4	823.8	73.9	825.4	827.8	829.8	833.3	75.
4	791.	69.	790.1	788.9	787.2	785.1	783.9	68.3	782.1	781.	780.3	778.6	68.3
*5	766.7	66.9	766.4	765.5	764.2	763.5	761.4	66.4	759.6	758.4	756.9	754.2	65.9
*6	747.	68.	749.4	750.5	752.4	751.4	756.7	68.9	759.1	761.8	764.7	768.	†69.6
7	781.3	68.7	781.	780.	779.9	779.	778.7	69.1	778.6	778.8	778.9	779.7	69.6
8	777.3	69.9	778.2	779.8	781.	782.8	784.9	70.9	785.8	789.	790.2	792 3	†71.6
9	745.5	65.9	745.7	745.8	746.	746.8	757.8	67.	749.6	751.2	753.9	756.1	†67.8
11	808.1	71.1	810.3	811.8	813.9	816.6	819.1	72.6	821.2	824.1	826.6	830.5	73.7
12	869.9	75.4	871.8	874.2	876.2	878.6	880.9	76.3	883.	885.4	887.2	889.6	76.9
13	867.2	74.1	867.5	867.9	868.7	869.7	870.7	75.1	872.1	875.8	874.9	875.7	75.2
14	813.	70.	812.6	812.1	811.7	810.8	810.8	70.2	810.7	810.6	810.5	810.7	†70.3
15	767.4	66.8	768.4	767.7	767.	766.8	766.8	66.7	767.1	767 8	767.9	769.2	†66.6
16	774.8	67.3	774.8	775.1	775.4	775.8	775.8	67.9	776.4	777.	778.	778.8	68.1
18	758.6	65.4	758.1	757.7	757.4	756.6	756.2	65.2	755.8	755.2	754.7	755.	64.6
19	686.8	61.4	686 9	688.6	689.4	689.7	689.9	61.2	690.	689.9	689.7	689.6	†61.1
20	704.6	61.5	702.6	701.5	700.7	700.1	700.3	62.7	700.5	701.8	702.5	704.2	63.2
21	754.8	64.4	753.3	750.9	748.9	746.6	745.	64.	742.9	740.6	739.3	737.7	63.4
22	618.7	56.4	618.8	618.9	618.7	618.5	618.2	56.5	618.	618.4	618.7	619.	56.5
23	678.7	59.8	677.7	677.4	676.3	675.8	675 1	59.7	674 7	674.2	674.	673.9	59.8
25	718.9	61.5	717.6	716.6	715.3	714.5	713.	61.4	711.9	711.5	711.	710.7	61.4
26	795.2	67.7	793.4	793.	792.2	791.8	791.3	67.7	791.	790.9	790.8	790.8	67.8
27	825.7	70.	825.1	824.7	824.1	823.9	823.6	69.9	823.5	823.	822.8	823.1	69.8
28	727.8	62.6	727.1	726.9	726.9	726.5	726.	62.4	725.4	724.7	724.7	725.5	62.3
*29	798.	68.8	798.	798.1	798.5	799.1	799.9	69.	800.2	801.1	801.4	801.5	69.2
*30	689.	59.1	688.2	687.4	685.8	682.9	681.4	59.1	676.2	675.	673.8	673.1	59.1
Means	766.6	66.9	766.6	766.6	766.7	766.6	767.1	67.2	766.7	767.2	767.2	768.2	67.4
Reduced to 32° F	295 5		294.7	293.9	293.2	292.3	291.9		290.8	290.6	289.9	290.3	

* See disturbance observations.

† Supplied.

Göttingen time Observatory time	h. m. 7 00 1 19½	h. m. 7 06 1 25½	h. m. 7 12 1 31½	h. m. 7 18 1 37½	h. m. 7 24 1 43½	h. m. 7 30 1 49½	h. m. 7 36 1 55½	h. m. 7 42 2 01½	h. m. 7 48 2 07½	h. m. 7 54 2 13½
April 1	563.1	564.5	563.9	564.1	564.6	563.4	561 3	559.8	559.3	558.6
2	565.2	564.4	561.7	561.4	559.7	558.4	558.2	556.3	†555.	551.2
3	559.7	559.	560.9	561.7	562.	559.7	561.1	560.7	†560.9	563.1
4	559.4	558.9	558.6	558.6	558.5	558.7	558.8	559.2	559.6	559.7
5	562.1	561.9	561.9	561.8	561.8	562.3	562.5	562.5	562.7	562.1
6	561.6	561.3	559.9	559.3	558.7	558.3	559.	559.1	560.8	561.7
8	555.7	556.1	557.5	557.4	557.3	557.8	558.4	559.2	559.2	559.5
9	557.6	557.8	558.2	559.1	560.	559.5	558.7	558.1	558.1	558.4
10	555.8	555.4	555.6	556.	555.9	555.	554.9	555.4	556 3	557.5
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	554.8	555.2	555.7	556.	556.1	555.6	555.	555.4	556.4	556.4
13	559.1	559.2	559.1	559 2	559.2	559.6	559.8	†559.	559.8	559.9
15	558.5	559.4	560.	559.8	561.3	561.9	559.7	568.5	560.7	562.
16	552.1	552.2	554.6	556.2	556.8	557.6	557.6	557.1	556.3	555.1
*17	578.5	576 5	575.5	572.9	568.2	564.	562.5	567.4	574.2	582.7
18	555.5	556.	555.8	556.1	556.2	556.6	556.1	556.2	556.	555.9
19	555.	555.5	555.7	555.6	555.6	555.8	555.9	556.3	555.5	555.8
20	556.4	556.4	556.6	556.8	556.7	556.5	557.	556.8	557.	557.2
22	556.4	555.	556.	556.3	557.7	558.2	558.4	559.2	560.1	560.
23	557.1	556.9	557.	557.1	†557.4	557.3	557.6	557.5	557.5	557.8
24	553.	553.6	553.3	553.5	553.4	553.2	553.4	553.5	553 8	552.8
25	554.1	554.1	554.	554.	553.8	553.4	553.2	553.3	552.7	552.5
26	555.	553.9	553.2	553.5	553.3	553.3	552.2	552.6	552.5	551.2
*27	539.8	537.2	535.6	535.	535.1	538.7	539 2	542.3	545.2	548.9
29	556.8	556.7	557.	556.7	555.4	554.4	553.	554.6	555.6	554.9
30	548.8	548.3	548.1	548.6	549.1	549.5	†550.3	548.7	549.	548.9
Means	557.2	557.4	557.1	557.1	556.9	556.8	556.5	556.8	557 3	557.7

* See disturbance observations.

† One minute late.

Göttingen time.	h. m. 18 00	h. m. 18 00	h. m. 18	h. m. 18	h. m. 18	h. m. 18	h. m. 18	h. m. 18	h. m. 18	h. m. 18
Observatory time.	18 19½	18 20½	18 21½	18 22½	18 23½	18 24½	18 25½	18 26½	18 27½	18 28½
April 1	846.1	844.5	844.5	844.5	845.4	846.4				
2	847.6	846.1	846.0	846.5	847.3	848.0				
3	835.6	836.4	836.9	836.1	836.6	837.2				
4	833.4	834.0	834.4	834.4	834.7	835.2				
5	851.	850.9	850.4	849.8	850.0	850.4				
6	854.0	854.3	853.6	853.6	853.6	853.9				
7	858.0	858.0	858.0	858.3	857.7	857.9				
8	863.0	863.0	863.0	863.3	863.0	862.9				
9	848.1	848.9	847.9	846.3	846.0	846.0				
10	847.0	847.	846.4	846.4	846.3	846.3				
11	848.5	844.8	843.8	843.7	843.6	843.7				
12	848.9	848.4	847.6	847.6	847.3	847.3				
13	846.6	846.0	844.7	844.3	844.3	844.3				
14	849.5	849.5	848.7	848.3	848.0	847.9				
*17	834.7	836.	836.1	836.3	836.3	836.2				
18	860.6	860.8	861.1	861.0	860.9	860.7				
19	848.9	849.4	849.6	849.	848.7	848.5				
20	850.7	850.6	850.9	850.9	850.	850.				
22	848.9	848.9	848.	847.9	847.9	847.9				
23	851.8	851.9	850.9	851.	851.	851.				
24	846.9	846.1	846.9	846.7	846.7	846.6				
*25	841.9	841.9	842.7	841.7	842.5	842.7				
26	838.6	839.9	841.1	840.6	840.7	840.8				
27	844.5	845.9	845.6	845.8	845.	845.0				
29	839.6	840.2	841.	840.6	841.1	841.6				
30	849.8	849.7	849.1	841.6	841.1	840.7				

Göttingen time Observatory time	h. m. 2 00 20 19½	h. m. 2 06 20 25½	h. m. 2 12 20 31½	h. m. 2 18 20 37½	h. m. 2 24 20 43½	h. m. 2 30 20 49½	h. m. 2 36 20 55½	h. m. 2 42 21 01½	h. m. 2 48 21 07½	h. m. 2 54 21 13½
April 1	562.8	562.8	564.2	560.3	559 3	559.2	565.9	578.4	581.8	580.9
2	554.2	557.	557.1	557.2	557.	557.7	557.2	558.3	555.8	556.2
3	557.	559.7	562.6	565.3	563.5	†561.5	559.7	560.9	561.4	563.1
4	560.7	560.8	561.	561.2	562.4	563.1	562.6	562.9	563.3	563.6
5	555.7	556.4	559.4	561.9	561.9	564.3	566.3	568.9	567.8	568.7
6	562.9	562.4	560.2	558.2	559.9	558.2	558.	559.	560.	559.9
8	565.4	565.	562.8	560.4	558.5	557.8	556.1	556.3	556.9	556.2
9	554.4	553.8	553.6	553.8	553.8	554.	554.3	554.3	554.2	554.4
10	553.7	554.3	554.6	553.5	553.4	553.9	553.5	553.5	554.2	553.5
11	554.2	554.3	554.5	554.9	554.8	555.	554.3	554.3	554.3	554.
12	557.6	557.8	558.1	557.9	557.6	557.8	557.8	557.2	557.	557.4
13	554.8	554.9	†554.9	554.9	555.	555.1	555.1	555.	554.8	555.2
15	555.4	553.4	552.7	552.7	552.9	554.7	555.7	555.7	554.1	555.
16	563.7	565.9	563.7	563.	561.	‡558.8	561.1	563.8	565.3	565.
*17	545.2	545.2	544.2	545.3	547.2	549.	550.4	550.2	551.1	550.6
18	553.1	554.	553.2	551.9	551.1	551.9	552.9	552.5	552.9	553.
19	555.3	554.5	551.3	554.1	554.1	554.3	554.5	‡554.5	554.3	554.8
20	555.5	555.8	555.5	555.7	555.7	555.7	555.8	555.9	556.7	556.
22	556.2	556.7	556.2	556.8	556.3	557.2	558.1	558.8	557.9	557.
23	550.	549.5	549.9	550.1	550.6	550.2	550.7	550.6	550.2	549.8
24	550.7	550.8	550.4	550.3	550.4	550.2	549.8	549.4	549.4	549.4
25	546 9	547.1	547.1	547.5	547.4	547.3	546.9	546.5	547.	547.9
*26	555.9	557.7	559.9	560.4	560.1	560.2	558.8	558.1	556.8	554.9
*27	561.6	558.5	558.5	556.4	554.4	552.8	552.3	551.9	551.9	552.7
29	547.9	548.1	548.6	549.2	549 5	549.1	548.3	547.9	548.3	549.6
30	565.2	559.8	560.	558.1	557.	556.6	557.4	559.4	560.1	560.
Means	555.9	556.	556.	555.8	555.6	555.6	555.9	556.7	556.8	556.9

* See disturbance observations. † Twenty-four seconds late. ‡ One minute late.

Göttingen time Observatory time	*h. m.* 3 00 21 19½	*h. m.* 3 06 21 25½	*h. m.* 3 12 21 31½	*h. m.* 3 18 21 37½	*h. m.* 3 24 21 43½	*h. m.* 3 30 21 49½	*h. m.* 3 36 21 55½	*h. m.* 3 42 22 01½	*h. m.* 3 48 22 07½	*h. m.* 3 54 22 13½
April 1	580.5	576.1	572.7	568.8	565.8	‡562.6	560.4	560.	§558.4	556.2
2	558.2	558.5	559.	558.7	561.7	565.2	566.6	566.5	§568.2	571.3
3	565.7	564.4	†562.3	564.3	565.5	566.4	560.7	559.8	565.3	573.3
4	563.9	564.6	564.2	564.8	564.2	563.6	562.8	562.	561 3	560.9
5	570.	570.6	565.7	562.3	562.1	563.4	566.7	566.9	566.6	567.6
6	560.9	561.9	558.9	556.3	557.1	557.1	‡561.4	572.1	576.9	573.
8	555.5	555.1	556.2	557.7	557.8	557.7	556.9	‡557.8	557.9	558.
9	554.1	553.6	553.9	553.7	554.2	554.2	554.4	554.7	555.	554.7
10	554.5	554.5	554.2	554.2	553.9	§554.4	554.	554.1	556.	555.8
11	553.8	553.9	553.9	553.9	553.9	553.9	553.8	554.2	554.4	‡554.1
12	558.4	558.1	557.8	558.1	557.8	557.8	557.5	557.8	557.5	557.3
13	556.1	555.6	555.5	555.8	‡555.6	554.9	554.8	554.5	554.7	554.3
15	554.5	553.8	553.9	554.6	556.	555.4	555.1	554.5	554.	‡554.5
16	563.	563.4	564.1	564.	564.	563.9	‡562.2	562.2	559.2	558.4
*17	550.2	551.8	551.6	552.8	553.6	553.5	552.8	553.9	555.4	556.1
18	552.8	553.1	553.	552.6	553.3	553.4	553.1	552.6	552.4	552.9
19	555.1	555.4	555.9	556.1	555.9	555.4	555.	554.8	555	554.9
20	556.	556.1	556.3	556.6	§556.	556.2	556.5	556.5	556.2	556.2
22	556.9	556.9	556.6	556.1	556.	555.9	556.6	556.5	556.9	556.9
23	550.4	550.4	550.4	550.2	550.2	551.3	552.5	555.4	557.	557.9
24	549.7	549.9	549.6	549.9	550.	549.9	550.8	550.6	550.4	550.4
25	548.3	548.	548.8	549.2	549.1	549.1	550.	550.9	551.5	551.7
*26	554.5	558.	567.1	573.4	572.9	571.3	570.1	566.3	562.	560.1
*27	552.7	553.5	554.2	555.8	552.8	552.2	552.	551.2	555.6	557.9
29	550.7	551.7	553.4	558.2	561.2	559.9	556.9	554.6	553.8	553.5
30	558.4	558.5	563.2	562.3	559.2	557.7	559.	556.8	556.2	555.8

20.0

Göttingen time Observatory time	h. m. 13 00 7 19½	h. m. 13 06 7 25½	h. m. 13 12 7 31½	h. m. 13 18 7 37½	h. m. 13 24 7 43½	h. m. 13 30 7 49½	h. m. 13 36 7 55½	h. m. 13 42 8 01½	h. m. 13 48 8 07½	h. m. 13 54 8 13½
April 1	554.6	555.5	556.9	556.4	560.	559.7	560.6	560.	559.5	558.3
2	574.1	568.4	570.1	570.6	568.1	567.1	569.5	569.6	570.3	569.4
3	567.5	569.8	570.9	569.1	568.5	568.8	568.2	568.	566.8	568.3
4	562.	562.7	563.1	563.6	564.6	566.9	565.8	566.8	566.5	566.6
5	570.3	571.	570.1	568.6	568.4	568.4	570.7	570.	570.7	570.2
6	563.	563.5	562.9	564.2	562.4	563.1	563.9	564.7	564.9	564.2
8	564.7	565.2	565.	565.	564.9	565.1	565.4	565.1	565.1	564.8
9	563.9	563.5	563.1	562.9	564.	563.4	562.4	562.9	564.	564.
10	563.	563.7	563.9	564.1	564.7	564.8	566.	566.	565.8	566.
11	564.4	563.7	563.5	563.4	562.3	562.2	561.7	562.1	562.5	562.8
12	561.	563.	562.	562.2	562.5	564.1	563.4	562 6	561.8	561.5
13	569.	571.3	†570.1	570.1	570.4	569.9	569.5	569.1	568.8	568.6
15	561.7	560.9	560.4	558.4	558.1	558.4	558.9	558.9	558.9	559.1
16	560.9	561.4	562.1	562.9	561.8	562.6	562.8	561.9	561.9	562.2
*17	515.	515.1	517.2	518.8	‡518.7	521.9	534.1	534.3	548.1	543.4
18	568.3	567.7	568.3	564.	563.9	566.8	567.7	567.6	568.	569.3
19	563.6	563.	563.2	563.7	564.	562.9	563.7	564.8	563.8	563.3
20	563.9	564.	564.1	565.1	565.4	565.4	565.1	564.8	565.1	565.6
22	562.6	562.6	563.	563.	563.1	563.5	563.5	564.3	564.8	564.9
23	563.7	563.	563.5	562.9	565.	566.	566.9	565.7	565.6	564.9
24	563.2	565.1	564.9	563.9	563.8	563.9	564.3	564.3	564.3	564.4
25	556.6	555.9	555.9	556.6	557.6	558.1	558.	553.5	551.8	549.6
*26	544.2	547.1	549.9	552.9	553.5	556.4	556.6	559.1	556.8	559.6
27	555.3	556.7	557.6	555.8	557.8	557.6	557.6	556.3	555.7	554.8
29	556.	556.9	559.	559.5	558.9	557.6	556.8	557.2	556.3	555.
30	546.6	548.4	549.	549.9	549.3	549.9	550.8	550.5	552.3	553.6
Means	560.1	560.3	560.8	560.7	560.8	561.3	562.	561.9	562.3	562.1

* See disturbance observations. † One minute late. ‡ Two minutes late.

Göttingen time Observatory time	*h. m.* 11 32 5 51½	Therm., Fah.	*h. m.* 11 38 5 57½	*h. m.* 11 44 6 03½	*h. m.* 11 50 6 09½	*h. m.* 11 56 6 15½	*h. m.* 12 02 6 21½	Therm., Fah.	*h. m.* 12 08 6 27½	*h. m.* 12 14 6 33½	*h. m.* 12 20 6 39½	*h. m.* 12 26 6 45½	Therm., Fah.
April 1	1045.9	50.3	1050.7	1051.7	1055.4	1056.6	1057.	50.1	1060.6	1057.5	1057.6	1059.1	50.7
2	1051.	58.3	1050.6	1053.7	1053.5	1054.2	1055.2	57.7	1053.3	1052.1	1053.	1054.	57.3
3	1066.6	60.1	1066.7	1066.4	1064.6	1065.3	1066.6	59.9	1063.2	1063.3	1063.	1063.7	60.
4	1080.7	67.9	1082.1	1086.4	1087.2	1088.8	1090.4	67.8	1090.4	1090.4	1088.3	1087.5	67.3
5	1082.2	70.	1079.2	1081.8	1081.7	1083.4	1082.2	70.7	1082.4	1082.1	1080.7	1080.8	71.
6	1068.5	61.8	1069.5	1068.2	1067.2	1067.5	1067.2	61.2	1067.8	1067.	1067.4	1067.9	60.9
8	1042.7	54.	1043.3	1042.4	1041.7	1040.8	1040.6	53.9	1041.8	1041.4	1040.9	1040.9	53.9
9	1047.	63.5	1047.	1047.	1047.	1046.4	1045.4	63.4	1045.2	1045.8	1045.7	1045.2	63.4
10	1031.5	57.5	1031.3	1029.4	1028.1	1026.8	1026.5	57.3	1026.5	1029.7	1032.2	1033.5	57.2
11	1041.	59.9	1040.2	1039.1	1038.8	†1038.3	1037.9	59.8	1037.7	1038.4	1038.5	1038.8	59.8
12	1048.	65.1	1046.8	1049.3	1050.6	1050 9	1050.	65.	1049.1	1048.5	1048.5	1048.7	64.9
13	1040.6	60.9	1040.8	1040.4	1040.6	1040.1	1039.3	60.8	1038.9	1039.2	1039.2	1039.	60.8
15	1060.6	68.	1060.6	1060.	1060.5	1060.4	1061.5	67.8	1063.	1063.7	1063.7	1064.2	67.6
16	1069.6	65.7	1069.4	1069.1	1068.	1067.8	1067.1	65.1	1067.8	1067.2	1066.8	1065.7	64.6
*17	1197.	66.	1171.4	1155.8	1118.2	1140.3	1141.2	65.9	1168.	1173.7	1163.1	1159.8	65.8
18	1030.6	58.2	1028.6	1027.7	1032.6	1031.	1036.9	57.6	1041.4	1042.8	1042.8	1043.2	57.1
19	1045.6	51.3	1043.9	1044.	1045.1	1045.2	1041.9	51.1	1045.	1044.7	1043.3	1044.2	51.1
20	1047.5	54.	1049.5	1049.6	1048.4	1046.7	1046.7	54.1	1045.9	1046.5	1046.8	1048.9	54.
22	1046.9	59.2	1046.4	1046.	1045.8	1045.8	1045.6	59.3	1045.7	1045.6	1046.1	1044.6	59.3
23	1051.5	62.8	1050.6	1051.5	1052.5	1051.6	1050.6	62.7	1050.8	1050.9	1050.2	1050.3	62.5
24	1046.5	61.9	1046.9	1045.7	1046.1	1046.3	1043.	61.7	1043.2	1044.2	1044.	1043.9	61.6
25	1060.2	69.7	1061.	1061.1	1060.2	1060.4	1058.4	69.4	1057.8	1057.1	1058.2	1056.8	69.4
*26	1083.1	61.7	1084.4	1082.5	1083.3	1089.1	1097.	61.2	1096.7	1094.8	1085.5	1079.7	61.
27	1092.	65.5	1091.9	1090.9	1090.8	1088.2	1088.5	65.	1088.5	1085.1	1083.2	1083.	64.8
29	1041.9	55.	1041.	1041.3	1041.9	1041.	1039.7	54.9	1041.1	1041.1	1041.1	1042.	54.9
30	1057.1	59.6	1057.8	1058.8	1057.1	1059.8	1060.9	59.2	1061.6	1065.3	1067.7	1068.9	59.2
Means	1060.6	61.1	1059.7	1059.2	1057.8	1058.7	1059.1	60.9	1060.5	1060.7	1059.9	1059.8	60.7

Göttingen time.. Observatory time.	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
April 1.....	1060.4	62.	1063.	1068.8	1068.5	1075.9	1076.4	62.8	1065.9	1067.1	1067.2	1064.9
2.....	1082.	66.6	1073.1	1068.	1072.1	1072.6	1075.3	67.	1079.4	1078.6	1078.8	1080.8
3.....	1061.4	66.2	1063.6	1064.4	1068.1	1070.2	1069.4	66.	1067.1	1069.2	1070.1	1067.9
4.....	1095.1	74.1	1095.2	1094.7	1093.3	1094.9	1095.1	75.	1095.4	1095.4	1096.5	1097 2
5.....	1095.3	75.8	1093.8	1095.	1095.9	1099.	1096.7	75.7	1093.	1097.4	1094.5	1087.7
6.....	1061.8	59.	1063.5	1066.9	1064.	1067.1	1072.8	59.1	1076.1	1077.2	1075.1	1074.7
8.....	1056.2	62.	1056.9	1056.8	1055.7	1056.	1057.	62.9	1055.3	1055.6	1057.1	1060.6
9.....	1056.2	66.5	1054.5	1054.6	1054.9	1057.8	1058.5	66.4	1057.7	1058.	1058.	1056.9
10.....	1049.7	65.2	1049.9	1052.	1050.6	1048.8	1046.4	65.9	1046.6	1046.3	1046.	1047.6
11.....	1054.5	68.5	1055.2	1056.1	1056.	1057.5	1059.	69.2	1060.	1060.5	1061.	1060.4
12.....	1054.9	68.3	1056.	1059.	1053.7	1051.	1054.2	68.9	1058.2	1059.2	1058.7	1059.5
13.....	1052.	66.9	1052.2	1052.	1053 8	1051.4	1054.4	67.9	1053.7	1050.9	1051.9	1052.6
15.....	1087.	76.3	1090.4	1091.7	1094 5	1097.9	1098.	76.4	1096.7	1092.6	1092.5	1091.1
16.....	1062.	67.3	1061.6	1060.	1062.2	1065.7	1066.	68.	1068.	1068.1	1068.	1068.7
*17.....	1070.4	69.8	1066.6	1063.	1065.5	1073.5	1087.1	70.1	1088.7	1086.3	1081.4	1076.5
18.....	1041.3	57.5	1036.9	1035.7	1033.1	1031.4	1027.1	58.3	1024.8	1038.8	1060.5	1065.2
19.....	1039.7	54.4	1039.5	1041.3	1040.3	1038·9	1038.	54.7	1037.	1036.8	1036.8	1038.3
20.....	1055.3	57.8	1053.8	1052.7	1052.9	1053.4	1052.4	58.5	1052.1	1051.2	1050.6	1052.7
22.....	1063.8	66.2	1065.6	1062.5	1063.6	1065.4	1065.6	66.8	1062.5	1062.6	1062.6	1061.7
23.....	1066.3	66.7	1063.9	1064.4	1063.5	1060.	1060.8	67.2	1059.6	1060.	1059.1	1059.4
24.....	1068.3	71.	1073.3	1071.1	1070.5	1070.9	1072.3	72.	1072.3	1073.2	1072.4	1072.1
*25.....	1076.2	68.9	1072.4	1071.6	1072.5	1072.2	1072.	69.4	1071.3	1071.5	1073.1	1072.4
26.....	1083.5	70.	1079.2	1085.2	1084.2	1087.5	1088.9	71.	1086.	1089.7	1088.2	1086.8
*27.....	1053.2	59.	1054.7	1057.2	1059 9	1060.2	1066.8	58.4	1067.4	1074.8	1078.1	1079.6
29.....	1041.1	63.7	1043 4	1046.	1052.7	1055.8	1054.6	64.7	1054.9	1056.6	1057.9	1057.7
30.....	1071.1	67.3	1068.2	1070.2	1070.	1066.7	1066.6	67.5	1067.	1070.3	1069.3	1070.7
Means.....	1063.8	66.1	1063.3	1063.9	1064.3	1065.4	1066.6	66.4	1066.	1067.2	1067.9	1067.8
Reduced to 32° F.	992.2		991.7	992.1	992.3	993.2	994.4		993.8	994.8	995.3	995.

* See disturbance observations.

SECOND MAXIMUM OF HORIZONTAL FORCE—Continued.

me.....	A. m. 22 02	Therm., Fah.	A. m. 22 08	A. m. 22 14	A. m. 22 20	A. m. 22 26	A. m. 22 32	Therm., Fah.	A. m. 22 38	A. m. 22 41	A. m. 22 50	A. m. 22 56	Therm., Fah.
...mary time.....	16 21½		16 27½	16 33½	16 39½	16 45½	16 51½		16 57½	17 03½	17 09½	17 15½	
April 1.....	1065.6	62.4	1068.7	1066.7	1071.9	1078.8	1081.6	62.4	1079.	1079.6	1079 8	1079 4	62
2.....	1082.3	66.9	1080.1	1080.	1077.5	1077.3	1077.	66.9	1075 9	1076.2	1075.2	1076.7	66 6
3.....	1069.1	67.	1068.3	1066 6	1069.1	1068.5	1069.7	66.9	1078 7	1078.3	1088.5	1087.1	66 7
4.....	1099.2	75.6	1098.5	1101.	1097.4	1095.8	1095.9	76.2	1098.4	1101.5	1103.	1103 1	76 7
5.....	1090.1	75.	1092.7	1093.8	1094.6	1095.4	1095.6	74.8	1094.7	1093.5	1091.5	1086.	74 3
6.....	1065.8	59.3	1060.9	1061.1	1058.5	1058.7	1063.3	59.2	1061.7	1062.4	1062.7	1059.7	59
8.....	1059.3	63.	1058.8	1058.7	1057 4	1057.6	1058.7	63.5	1057.	1057.1	1057.5	1058.7	63.6
9.....	1055.5	66.	1055.2	1054.9	1055.9	1057.3	1062.4	65.8	1066.9	1063.7	1061.3	1060.9	65.6
10.....	1046.5	66.3	1046.1	1048.9	1048.8	1045.5	1045.7	67.	1046.7	1047.1	1048.2	1048.7	67.4
11.....	1059.1	69.5	1060.8	1062.4	1062.4	1061.8	1061.8	70.2	1062.8	1064.1	1063.4	1063.3	70.9
12.....	1060.6	69.1	1059.3	1059.3	1060.8	1060.4	1060.4	69.7	1060.9	1060.7	1061.6	1063.	69 7
13.....	1052.3	68.3	1054.9	1055.5	1054.6	1054.8	1054.7	69.	1055.3	1055.1	1054 9	1056.	69 3
15.....	1090.5	76.8	1089.2	1089.2	1086.2	1085.1	1085.8	76.9	1086.6	1085.9	1087.5	1089.3	77.
16.....	1069.1	68.7	1069.6	1069 9	1069.9	1070.1	1069.8	69.3	1068.8	1068.9	1068.	1068.9	69.3
*17.....	1070.9	70.2	1064.4	1065 7	1072.	1073.	1080.2	70.5	1083.6	1089.7	1092.7	1091.2	70.5
18.....	1063.3	58.2	1064.8	1069.5	1067.4	1057.9	1055.1	58 3	1054.	1053.7	1054.8	1053.1	58.1
19.....	1037.2	54.9	1037.4	1035.9	1036.4	1037.9	1039.4	55.	1040.3	1039.0	1035.7	1041.4	55.1
20.....	1052.1	58.6	1052.2	1052.1	1051.9	1054.	1052.9	58.9	1052.3	1052.4	1052.3	1052.	59 2
22.....	1063.6	67.4	1064.9	1064.8	1064.9	1062.6	1061 7	68.3	1061.6	1062.5	1063.	1064.6	68.6
23.....	1059.8	68.	1060.8	1059.2	1058.	1057 4	1057.1	68.7	1057.5	1058.8	1058.5	1058.3	69.1
24.....	1070.5	72.3	1069.9	1069.3	1070.1	1068.6	1068.8	72.9	1069.1	1068.9	1069.6	1069.9	73 3
*25.....	1067.1	69.6	1068.	1070.4	1070.8	1067.1	1059.1	70.1	1055.3	1054.5	1050.3	1048.9	70 6
26.....	1087.1	71.5	1088.2	1085.5	1083.2	1087.3	1087.8	72.	1088 5	1086.3	1079.8	1089.9	72 3
*27.....	1072.7	57.8	1064.8	1064.5	1057.3	1055.1	1054.9	57.6	1051.7	1054.7	1059.3	1045.6	57 5
29.....	1055.6	65.4	1054.6	1055.4	1058.9	1054.9	1053.3	66.5	1047.5	1040.1	1037.5	1040.	67
30.....	1067.3	68.3	1067.	1065.7	1060.3	1058.5	1063.8	68.7	1060.	1078.6	1075.4	1073.1	69
Means.....	1066.0	66.8	1066.2	1066.4	1066.	1065.4	1066.	67.1	1065 7	1066.8	1066.9	1066.1	67 8

Göttingen time.. Observatory time	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
April 1.....	1065.7	59.	1070.1	1073.1	1071.5	1069.3	1065.9	58.5	1061.7	1065.3	1060.2	1062.8
2.....	1078.3	65.9	1077.8	1077.8	1077.5	1076.3	1075.1	65.6	1075.1	1074.9	1075.6	1075.7
3.....	1086.1	65.	1086.8	1084.1	1081.5	1081.5	1080.3	64.8	1080.2	1081.4	1083.5	1083.2
4.....	1102.9	75.5	1103.2	1104.3	1105.9	1105.9	1106.3	76.3	1105.5	1104.3	1105.2	1105.2
5.....	1118.8	71.4	1105.7	1100.3	1101.8	1098.3	1096.9	71.	1095.9	1098.1	1104.5	1105.8
6.....	1064.8	58.6	1066.9	1068.2	1069.2	1066.8	1067.4	58.4	1070.4	1072.7	1075.8	1075.1
8.....	1060.	64.	1060.5	1059.9	1059.9	1059.5	1062.3	64.1	1066.6	1065.1	1063.5	1059.
9.....	1053.	65.2	1054.1	1053.8	1053.	1054.1	1055.	65.	1055.9	1056.	1055.7	1054.8
10.....	1074.2	67.9	1072.6	1072.9	1071.	1069.6	1067.4	67.7	1066.	1066.2	1066.1	1062.8
11.....	1073.2	71.2	1072.	1072.6	1071.5	1069.9	1069.7	71.	§1070.9	1070.4	1070.1	1069.1
12.....	1062.	68.4	1062.	1061.1	1060.4	1061.5	1062.5	68.3	1063.7	1061.8	1061.8	1062.3
13.....	1059.3	69.9	1059.7	1059.2	1059.3	1059.2	1059.5	69.7	1058.7	1060.8	1060.1	1060.1
15.....	1095.1	76.8	1095.9	1095.1	1095.	1095.1	1096.4	76.6	1096.8	1098.3	1098.8	1097.9
16.....	1070 3	70.2	1071.3	1071.9	1077.6	1080.1	1083.7	70.2	§1084.8	1085.6	1090.6	1092.
*17..	1089.2	69.	1103.5	1103.7	1104.7	1101.	1109.9	68.8	1105.6	1103.2	1104.	1106.1
18.....	1063.1	58.	1064.	1064.5	1064.4	1061.1	1063.1	57.7	1062.1	†1065.5	1063.2	1064.1
19.....	1049.1	55.3	1049.	1046.5	1047.2	1048.2	1048 2	55.2	1049.2	1051.4	1051.6	1050.2
20.....	1053.9	59.5	1054.	1054.6	1055.4	†1055.2	1055.1	59.5	1055.4	†1054 9	1054.8	1054.7
22.....	1068.6	69.3	1068.5	1069.8	1069.5	1070.	1070 5	69.2	1071.5	1072.9	1071.8	1073.7
23.....	1061.5	68.9	1063.6	1063.3	1062.3	1067.9	1065.6	68.3	1064.7	1063.8	1064.7	1066.5
24.....	1081.1	74.3	1082.	1082.1	†1081.7	1081.1	1079.9	74.3	1080.1	1080.	1081.	1082.8
*25.....	1086.5	71.	1087.5	1085.6	1084.6	1083.1	1083.1	70.9	1081.3	1081.3	1078.9	1080.4
*26.....	1069.8	72.7	1073.4	1077.9	1084.8	1088.1	1088.4	72.7	1088.4	1090.7	1094.9	1098.3
*27.....	1059.1	56.5	1053.8	1052.6	1051.1	1045.3	1037.4	56.2	1035.2	1039.3	1042.8	1045.1
29.....	1072.3	68.4	1071.	1070.2	‡1070.4	1069.9	1068.5	68.2	1068.4	1066.8	1067.6	1066.2
30.....	1075.1	69.4	1076.9	1079.3	1079.3	1079.9	1081.8	68.8	1082.3	1082.1	1077.7	1073.4
Means.....	1072.9	66.9	1073.3	1073.2	1073.5	1073.	1073.1	66.8	1072.9	1073.2	1074.8	1074.1
Reduced to 32° F.	999.7		1000.1	1000.	1000.5	1000.	1000.1		1000.	1000.5	1002.1	1001.4

* See disturbance observations. † Ten seconds late. ‡ Two minutes late. § One minute late.

FIRST MINIMUM OF HORIZONTAL FORCE—Continued.

Göttingen time Observatory time	h. m. 2 02 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
April 1	1066.6	58.2	1063.	1054.6	1059.1	1063.8	1065.8	57.9	1069.	1065.3	1064.2	1064.8	57.6
2	1074.8	65.3	1074.9	1076.1	1077.6	1078.2	1075.3	64.8	1074.7	1074.3	1075.3	1076.7	64.3
3	1082.	64.8	1079.5	1075.4	1069.8	1064.6	1061.5	65.	1061.7	1063.1	1063.8	1066.	65.2
4	1104.6	76.2	1106.4	1108.3	1109.	1108.7	1109.8	75.9	1110.2	1110.4	1109.3	1109.6	75.4
5	1103.7	70.5	1101.2	1099.7	1103.5	1106.9	1112.5	70.	1116.1	1120.4	1122.5	1120.	69.3
6	1074.2	58.4	1072.6	1073.9	1074.9	1073.7	1074.7	58.3	1077.1	1076.6	1075.2	1075.2	58.2
8	1055.9	64.2	1055.7	1056.6	1057.4	1057.9	1058.7	64.3	1061.7	1061.6	1060.9	1060.2	64.3
9	1054.2	65.	1054.3	1054.1	1053.9	1052.9	1052.3	64.8	1052.7	1053.5	1053.3	1054.2	64.6
10	1062.3	67.6	1060.8	1061.	1064.1	1062.8	1062.	67.2	1062.5	1060.2	1061.4	1062.7	67.1
11	1069.6	70.8	1070.9	1069.7	1068.3	1067.3	1065.5	70.6	1067.	1066.9	1066.	1066.3	70.3
12	1062.9	68.	1063.3	1063.8	1063.1	1062.8	1063.7	67.8	1063.8	1064.2	1064.8	1064.9	67.3
13	1060.8	69.6	1061.2	1061.5	1061.4	1061.7	1061.8	69.4	1061.9	1061.8	1061.6	1061.6	69.2
15	1097.8	76.3	1098.1	1098.9	1100.4	1102.	1102.4	76.2	1101.4	1100.2	1100.5	1099.5	75.9
16	1095.5	70.2	1096.	1098.1	1101.7	1106.7	†1107.6	70.2	1106.3	1103.3	1102.6	1102.1	70.2
*17	1103.7	68.3	1104.8	1104.8	1104.	1103.6	1099.	67.9	1099.	1096.1	1095.	1094.	67.3
18	1062.3	57.4	1060.6	1061.5	1061.2	1062.5	1063.8	57.	1062.6	1062.6	1061.2	1060.3	56.8
19	1050.1	55.3	1049.1	1049.1	1048.	1047.2	1048.7	55.3	1047.	1048.9	1049.5	1048.8	55.4
20	1054.3	59.6	1053.2	1054.	1054.2	1054.	1052.3	59.6	1051.	1051.2	1051.	1050.9	59.7
22	1071.3	69.	1073.2	1075.	1075.1	1072.9	1075.5	68.6	1075.1	1073.6	1072.7	1073.	68.3
23	1065.3	68.	1066.8	1069.2	1067.5	1066.7	1069.9	67.6	1070.1	1068.9	1068.	1066.3	67.1
24	1083.5	74.4	1082.3	1082.2	1082.	1083.1	1082.2	74.2	1083.2	1084.	1083.6	1083.	74.1
*25	1081.3	70.6	1081.	1082.8	1085.3	1086.6	1084.8	70.3	1084.1	1083.6	1082.5	1081.6	70.
*26	1100.	72.7	1103.8	1107.5	1112.9	1112.3	1108.1	72.7	1107.1	1106.4	1100.7	1102.1	72.5
*27	1046.8	56.	1052.1	1050.5	1054.8	1055 3	1056.2	55.7	1052.3	1053.	1057.2	1062.	55.7
29	1067.3	67.9	1065 2	1064.5	1066.9	1066.9	1067.4	67.6	1068.4	1066.6	1065.2	1066.6	67.3
30	1072.3	68.3	1069.8	1066.3	1066.3	1062.6	1062,2	67.7	1066.5	1070.3	1068.1	1065.4	67.2
Means	1074.	66.6	1075.4	1073.8	1074.2	1074.4	1075.2	66.4	1075.	1075.2	1074.5	1075.1	

Göttingen time.. Observatory time.	h. m. 15 32 9 51½	Therm., Fah.	h. m. 15 38 9 57½	h. m. 15 44 10 03½	h. m. 15 50 10 09½	h. m. 15 56 10 15½	h. m. 16 02 10 21½	Therm., Fah.	h. m. 16 08 10 27½	h. m. 16 14 10 33½	h. m. 16 20 10 29½	h. m. 16 26 10 45½
April 1.....	1071.	52.1	1069.9	1068.4	1068.	1066.8	1067.9	51.8	1063.6	1062.8	1066.4	1069.4
2.....	1081.5	56.5	1087.	1086.4	1082.4	1081.5	1080.6	56.7	1084.6	1086.4	1087.3	1089.1
3.....	1084.7	59.3	1087.9	1094.	1097.4	1100.1	1101.1	59.1	1103.1	1107.7	1107.4	1107.2
4.....	1092.3	66.4	1092.3	1093.6	1093.7	1096.2	1097.5	67.9	1097.9	1100.1	1100.9	1095.6
5.....	1093.9	70.5	1096.4	1098.5	1101.7	1102.6	1101.7	71.3	1104.	1103.9	1105.7	1107.5
6.....	1073.4	58.3	1073.2	1074 2	1074.1	1075.9	1075.9	58.2	1077.6	1079.2	1080.3	1077.4
8.....	1060.5	54.6	1061.6	1061.1	1061.4	1062.3	1061.9	55.	1062.5	1063.2	1064.4	1064.8
9.....	1075.	65.	1076.1	1076.3	1077.6	1077.9	1077.2	65.2	1077.2	1076.5	1076.5	1075.9
10.....	1050.2	59.8	1048.9	1047.7	1046.4	1049.	1054.3	60.2	1051.4	1046.8	1045.3	1047.7
11.....	1062.1	61.7	1061.	1060.5	1059.3	1059.6	1058.2	62.	1058.6	1058.4	1059.8	1058.5
12.....	1070.	64.	1067.7	1070.7	1071.2	1070.	1072.8	64.6	1071.8	1071.7	1072.1	1073.5
13.....	1063.2	60.6	1064.5	1064.4	1065.8	1067.1	1068.1	61.	1067.9	1069.5	1069.2	1068.9
15.....	1071.7	68.	1071.7	1070.8	1070.9	1070.2	1070.8	68.2	1071.4	1070.7	1069.8	1068.9
16.....	1088.	63.	1089.	1088.7	1089.1	1090.2	1089.5	63.	1089 9	1088.7	1089.	1087.9
*17.....	1166.7	66.8	1166.	1163.3	1159.	1158.7	1156.	67.2	1152.4	1153.8	1152.8	1149.1
18.....	1056.9	55.7	1057.	1058.	1059.5	1059.8	1060.4	55.8	1058.6	1060.4	1059.9	1059.4
19.....	1057.9	51.3	1058.6	1059.1	1060.6	1061.5	1061.9	51.4	1060.8	1059.6	1058.	1059.2
20.....	1068.8	55.	1070.1	1071.	1072.2	1073.4	1076.6	55.	1077.1	1077.4	1077.3	1077.7
22.....	1063.9	60.8	1062.8	1062.9	1063.7	1065.3	1066.7	61.1	1066.6	1066.8	1066.	1067.
23.....	1068.	62.3	1068.7	1069.6	1070.1	1068.3	1069.2	62.3	1069.9	1068.8	1067.6	1067.2
24.....	1059.6	62.	1059.2	1059.6	1061.4	1061.8	1062.1	62.	1064.7	1064 9	1064.2	1065.1
*25.....	1050.6	67.6	1056.5	1058.3	1055.3	1052.2	1053.1	67.7	1053.	1053.3	1051.7	1054.
26.....	1089.4	61.9	1086.1	1086.8	1078.8	1088.	1088.	62.3	1092.	1096.3	1094.4	1093.1
27.....	1087.9	61.9	1087.6	1085 5	1083.3	1080.9	1079.6	61.6	1078.5	1074.8	1076.9	1078.8
29.....	1051.4	57.	1053.2	1052.8	1055.5	1057.2	1059.9	57.	1058.6	1056.2	1050.9	1047.8
30.....	1069.4	60.6	1068.7	1069.1	1065.3	1066.2	1067.2	61.2	1067.2	1066.6	1067.	1066.4
Means.....	1074.2	60.9	1074.7	1075.	1074.4	1075.3	1076.	61.1	1076.2	1076.3	1076.6	1077.0
Reduced to 32° F.	1013.5		1014.	1014.1	1013.5	1014.2	1014.9		1015.1	1015.	1015.1	1015.9

* See disturbance observations.

Göttingen time Observatory time	A. m. 16 32 10 51½	Therm., Fah.	A. m. 16 38 10 57½	A. m. 16 44 11 03½	A. m. 16 50 11 09½	A. m. 16 56 11 15½	A. m. 17 02 11 21½	Therm., Fah	A. m 17 08 11 27½	A. m 17 14 11 33½	A. m. 17 20 11 39½	A. m 17 26 11 45½	Therm., Fah
April 1	1068.	52.1	1070.8	1073.4	1073.6	1074.1	1076.1	53 6	1077 8	1077 7	1077 1	1083	54 3
2	1088.	57.2	1085.	1084.	1084.9	1086.3	1085.	58 9	1083.8	1085	1087 8	1087 9	59 9
3	1107.1	59.7	1108.2	1105.5	1106.4	1105.6	1105	60	1105.1	1105 4	1104 8	1106 3	60 1
4	1103.3	67.8	1102.	1101.6	1100.7	1100.9	1103.9	68 5	1099 7	1099 5	1099 3	1099 8	69 3
5	1109.1	72.9	1119.5	1114.5	1112 7	1114.4	1115.6	74	1117 8	1116 9	1116 1	1117 9	74 9
6	1080.8	58.	1080.5	1080.9	1081.1	1085.	1089.1	58	1085 8	1085 8	1085	1086 4	58 8
8	1064.1	55.5	1063.6	1063.9	1064.8	1063.8	1063.4	56	1063.6	1064 3	1064	1063 3	56 7
9	1076.4	65.8	1077.5	1076.7	1076.8	1076.5	1075.3	66	1076	1075 9	1075 5	1074 9	66
10	1047.2	60.8	1048.7	1048.7	1049.	1049.9	1050.9	60 7	1049.6	1049.5	1050.	1050 1	61 5
11	1057.1	62 8	1058.	1057.9	1058 8	1059.7	1059 3	63 5	1058 4	1058 4	1059	1058 8	63 9
12	1073.9	65.	1072.6	1074.7	1071.9	1071.1	1068.	65 3	1066 4	1068 7	1067 1	1066 8	65 5
13	1068.7	61.5	1070.4	1070.1	1070.7	1070.5	1071.	61 9	1071 1	1070 8	1069 9	1067 9	62 8
15	1070.9	69.	1070.6	1071.7	1071.7	1070.6	1073.3	69 8	1073 5	1072 9	1072 4	1072 1	69 7
16	1086.5	63.	1086.4	1086.	1086.6	1083.6	1081.9	63 9	1081.	1080 7	1078 8	1079	63 7
*17	1149.3	67.4	1148.4	1144.2	1139.9	1134.7	1136.4	67 5	1140 8	1139 7	1136 5	1139 5	67 5
18	1062.7	56.	1064.	1063.9	1064.7	1064.5	1061.2	56	1061 5	1057 9	1058 8	1057 7	56
19	1059.9	51.6	1060.1	1059.5	1058.7	1058.8	1059.8	52.1	1060 5	1060 7	1064 9	1060 8	52 4
20	1075.2	55.	1074.7	1075.	1075.6	1076.1	1078.	55 8	1076 6	1078	1078 8	1078 9	56 4
22	1068.5	61.7	1068.6	1068.	1069.	1069.2	1068.1	62 3	1067.5	1068.9	1068 7	1068 5	62 9
23	1068.	62.3	1067.	1070.	1066.5	1065.9	1066.7	62 5	1066.	1065 8	1065 8	1065.9	62 5
24	1066.	62.4	1064.9	1064.5	1064.9	1065.1	1065.1	63	1066.5	1064 8	1064 8	1064.8	62 9
*25	1057.	67.5	1057.3	1058.3	1060.	1063.5	1063.8	67 6	1066 8	1067 1	1071 8	1070.4	67 5
26	1091.8	63.	1091.7	1091.9	1089.2	1089.9	1094.8	63 5	1094 1	1091.1	1091 8	1087 1	64 1
27	1077.8	61.2	1074.6	1073.7	1074.4	1071 4	1073.9	60 9	1074 9	1074.9	1076 7	1071 8	60 9
29	1043.1	57.9	1044.1	1046.3	1046.8	1048.7	1048 9	58 8	1048 8	1048 8	1048 8	1044 1	59
30	1066.7	61.6	1069.5	1067.5	1069.2	1071.1	1070.7	62 8	1068 9	1069.8	1069 5	1068.8	62 9
Means	1076.7	61.5	1076.9	1076.8	1076.8	1076.8	1076.7	61 9	1077	1076.8	1076 8	1076 8	62 0
Reduced to 32° F	1014.8		1015.	1014.9	1014.8	1014.	1013 9		1014	1013 8	1013 9	1013 7	

Göttingen time.. Observatory time	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
April 1.....	777.3	68.7	777.	776.1	776.	775.4	774.8	67.	773.7	772.4	771.4	770.4
2.....	840.2	71.8	838.9	838.	837.5	837.1	836.3	71.2	835.5	834.6	834.1	833.
3.....	824.	70.9	824.2	822.9	822.	820.1	818.8	69.1	818.4	816.8	816.4	816.
4.....	917.5	78.5	917.	917.6	917.1	917.6	917.6	78.8	918.2	918.5	919.	919.7
5.....	929.8	77.7	928.9	928.7	927.8	927.7	926.4	77.3	925.3	924.	923.	921.8
6.....	671.1	60.8	670.7	670.2	670.5	670.6	671.2	60.7	671.1	671.7	671.8	671.6
8.....	706.6	64.	716.	717.5	718.8	720.6	722.4	64.2	723.	724.3	725.5	727.
9.....	782.6	66.7	782.3	782.1	782.4	782.2	782.8	66.5	782.2	781.7	781.1	780.7
10.....	771.	68.	772.1	772.9	773.8	775.	776.4	68.4	777.7	778.9	780.8	782.1
11.....	809.6	70.6	810.3	811.4	812.	813.	814.	71.2	815.7	817.8	818.6	820.8
12.....	824.8	70.9	824.4	822.7	822.9	822.5	822.4	71.4	822.4	822.8	823.	823.8
13.....	790.8	70.2	792.9	793.8	795.8	797.9	798.9	70.4	800.5	801.9	802.8	803.8
15.....	888.2	77.3	888.1	889.3	889.2	890.	890.1	77.4	890.8	891.2	891.8	892.3
16.....	788.1	70.5	789.8	790.8	791.4	792.8	793.7	70.8	794.6	795.	797.	798.
*17.....	793.9	71.8	793.6	793.9	793.8	793.2	793.2	71.9	793.	792.9	793.6	794.5
18.....	662.3	60.1	663.7	664.5	664.9	664.6	664.3	60.2	663.2	662.9	662.3	661.4
19.....	620.	56.	620.2	620.5	620.7	620.9	621.1	56.2	621.4	621.6	622.1	622.8
20.....	659.7	59.6	660.6	660.9	661.6	662.6	663.2	60.	664.1	664.	665.	665.5
22.....	777.9	69.1	777.9	778.4	779.7	780.1	780.9	69.6	781.8	782.7	783.5	784.9
23.....	773.8	69.2	775.1	776.	777.2	778.4	779.9	69.4	781.2	782.8	783.8	785.3
24.....	815.8	72.9	818.	820.	822.3	823.1	825.5	73.3	827.2	828.5	830.3	831.8
*25.....	808.7	71.8	809.5	810.4	811.3	811.7	811.6	72.	811.4	811.	810.7	810.6
26.....	815.7	72.4	817.7	819.9	820.2	821.9	823.1	72.7	823.6	825.4	826.1	827.1
*27.....	670.9	59.4	668.2	665.9	664.	663.8	661.1	59.5	659.5	658.9	657.8	657.8
29.....	729.8	66.	731.2	733.9	735.4	737.7	738.9	67.3	740.4	741.7	742.4	743.
30.....	784.5	69.5	784.7	784.1	783.8	783.1	783.	70.	784.6	785.8	787.	787.4
Means.....	778.2	68.6	779.	779.3	779.8	780.1	780.8	68.7	781.2	781.1	781.6	782.1
Reduced to 32° F.	284.1		284.5	284.5	284.7	284.7	285.4		285.8	285.7	286.2	286.7

* See disturbance observations.

gen time vatory time	*h. m.* 23 04 17 23½	Therm., Fah.	*h. m.* 23 10 17 29½	*h. m.* 23 16 17 35½	*h. m.* 23 22 17 41½	*h. m.* 23 28 17 47½	*h. m.* 23 34 17 53½	Therm., Fah	*h. m.* 23 40 17 59½	*h. m.* 23 46 18 05½	*h. m.* 23 52 18 11½	*h. m.* 23 58 18 17½	Therm., Fah.
April 1	788.5	65.9	777.2	765.8	763.8	762.5	759.9	64.9	758.	755.	753 5	751.8	61.1
2	831.9	70.6	831.1	829.3	828.2	826.7	825.	70.1	824.1	823.2	822.	820.9	69.8
3	815.1	69.3	813.9	812.9	812.	810.7	810.1	68.4	808.2	806.6	804.2	803.	68
4	920.	79.1	920.1	921.1	922.3	923.6	923.3	79.1	922.8	923.5	923.4	921.	79
5	919.9	76.6	918.2	917.1	915.1	913.9	913.1	76.1	911.7	910.2	908.3	906 8	75.6
6	671.6	60.7	671.5	671.7	671.3	671.8	671.9	60.5	671.8	671.6	671.5	672.	60.5
8	728.	64.4	729.2	730.5	731.9	733.1	733.	64.5	731.4	735.	735.9	737.4	63.6
9	780.4	66.3	780.1	779.8	779.	778.9	778.8	66.3	778.1	†778.1	778.	778.	66.3
10	783.7	68.7	785.	786.9	787.8	789.	790.2	68.7	791.5	792.4	793.	793.3	68.6
11	822.2	71.9	823.	825.1	826.7	827.9	829.1	72.	830.7	831.9	832.8	833.1	72.
12	824.3	71.	823.6	824.3	825.	824.8	825.2	70.6	825.2	824.6	†823.1	823.1	70.
13	804.6	70.8	805.5	806.3	807.8	809.1	809.9	71.	810 8	811.9	813.2	813.7	71.
15	892.5	77.5	893.1	893.9	894.6	895.2	896.2	77.7	897.	897.8	897.9	898.8	77.8
16	798.9	71.	800.	800.8	801.8	803.	804.	71.3	†804.9	805.3	805.8	806.4	71.2
*17	795.	71.7	796.1	796.7	797.	797.9	798.7	71.3	799.7	800.8	800.9	799.9	71.3
18	661.	60.3	661.	661.	661.3	662.1	663.6	60.2	663.9	664.3	664.3	664.8	60.
19	622.4	56.3	†623.1	623.7	624.1	624.6	624.8	56.3	625.	625.1	625.1	625.	56.3
20	666.6	60.	667.2	668.1	668.2	668.1	669.4	60.1	669.9	670.8	671.1	671.6	60.1
22	785.7	69.8	787.	788.	789.4	790.7	792.4	69.9	792.8	793.9	795.	795.7	69.9
23	786.5	69.6	788.	788.7	790.4	791.8	792.8	69.7	793.9	795.1	795.7	797.	69.7
24	833.1	73.7	835.	836.6	837.9	839.9	841.	74.	842.2	813.4	845.	845.9	74.3
*25	810.8	72.	810.9	810.8	810.4	810.3	810.9	72.5	810.3	810.	810.1	810.8	72.6
26	828.8	73.	829.9	831.	831.9	832.9	833.3	73.	834.9	835.2	835.4	836.1	73.3
*27	656.8	59.3	655.8	656.	656.2	656.3	656.3	59.1	655 2	655.	651.	653.1	58.8
29	744.9	67.7	745.6	746.6	747.2	748.2	744.7	68.	750.4	752.9	755.1	756.8	68.2
30	788.2	70.4	788.6	790.	790.7	791.3	792.7	70.6	793.2	792.9	794.7	795.5	70.6
Means	783.1	68.7	783.1	783.3	783.5	784.	784.2	68.7	785.	785.	785.	785.2	68.6

Göttingen time.. Observatory time.	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
April 1	606.1	54.1	606.3	606.1	605.6	605.5	604.3	54.3	603.9	603.8	603.9	603.6
2	722.9	62.	721.8	721.	720.4	720.1	718.5	62.	717.9	717.1	715.3	714.
3	736.7	63.7	735.2	734.6	734.	733.7	733.6	63.7	733.7	732.9	732.6	732.3
4	857.2	70.9	856.1	857.6	853.7	852 9	850.9	70.4	848.3	847.2	845.7	843.9
5	865.5	74.4	866.4	867.8	868.9	870.6	871.	74.3	871.1	870.8	870.9	870.6
6	709.5	62.4	708.3	707.2	706.	704.6	703.9	61.9	701.7	702.1	698.9	697.1
8	606.2	54.6	606.6	606.	606.	605.7	605.4	54.7	604.7	604.4	604.2	604.
9	747.	64.1	746.6	†746.2	746.1	746.	745.5	64.2	745.2	745.	744.9	744.7
10	679.3	58.5	678.2	677.7	677.	676.3	675.8	58.4	675.	674.2	673.9	673.9
11	704.1	60.6	703.9	703.7	703.5	701.3	700.8	60.6	699.9	699.	698.2	697.9
12	780.	66.2	779.2	778.5	778.	777.8	777.4	66.	775.9	775.6	774.8	773.3
13	707.2	61.9	706.8	706.1	705.7	704.9	704.7	61.9	704.3	703.7	703 1	702.7
15	801.7	69.	800.8	800.	799.5	799.4	799.	69.	798.2	797.9	797.6	797.2
16	767.7	66.2	766.4	765.	763.9	762.7	761.	65.9	760.	758.4	757.2	756.1
*17	820.3	67.	818.5	818.	816.2	817.6	819.2	67.	821.	817.5	818.	815.6
18	673.2	59.	671.7	670.3	669.	668.4	666.9	58.4	665.9	663.5	662.3	661.4
19	589.1	52.7	589.3	589.	588.9	588.	587.3	52.6	587.4	586.2	585.9	585.8
20	613.7	55.	613.5	613.3	613.4	613.4	615.6	55.1	615.4	615.2	615.1	615.
22	678.2	60.1	678.2	678.2	678.4	678.7	678.8	60.3	678.8	678.8	678.9	679.
23	738.8	63.6	738.	737.3	736.8	736.5	735.8	63.5	734.9	734.3	733.7	733.1
24	717.9	62.6	718.1	718.2	717.7	717.8	717.7	62.7	717.5	717.5	717.5	717.1
25	825.	70.4	824.5	823.7	823.1	823.1	822.1	70.1	821.6	821.1	821.	820.2
*26	728.1	62.1	727.5	727.9	727.6	726.6	726.	62.2	725.9	724.8	723.2	722.4
27	774.5	66.	772.8	772.	770.6	768.8	767.6	65.5	765.6	763.5	762.3	760.2
29	624.3	55.9	624.2	624.	624.	623.8	623.8	56.	623.9	623.8	623.9	623.9
30	688.7	60.3	688.8	687.8	688.8	688.7	687.	60.1	686.2	685.9	685.4	685.2
Means	721.2	62.3	721.1	720.6	720.1	719.7	719.2	62.3	718.6	717.9	717.2	716.5
Reduced to 32° F.	312.2		312.1	311.6	311.1	310.7	310.2		309.3	308.3	307.3	306.3

* See disturbance observations.

† Thirty seconds late.

Green time / Observatory time	A. m. 13 34 7 53½	Therm., Fah.	A. m. 13 40 7 59½	A. m. 13 46 8 05½	A. m. 13 52 8 11½	A. m. 13 58 8 17½	A. m. 14 04 8 23½	Therm., Fah.	A. m. 14 10 8 29½	A. m. 14 16 8 35½	A. m. 14 22 8 41½	A. m. 14 28 8 47½	Therm., Fah.
April 1	602.8	54.6	602.8	602.3	602.2	602.6	602.9	55.	602.6	603.	603.8	604.8	55 6
2	713.9	61.9	713.7	711.6	711.	710.3	709.2	61.2	708.	707.2	706.9	706.6	61 4
3	732.1	64.	731.7	731.8	731.7	731.9	731.8	64 1	732 1	731.8	731.9	731 7	64
4	842.4	70.	840 4	838.7	837.1	835.7	834.6	69.8	833.	832.1	831.2	830 5	69 8
5	870.7	74.2	870.7	870.6	870.7	871.1	871.2	74.6	871.8	872.	872.1	874 4	74 4
6	696.3	61.5	694.6	693.	691.6	690.2	689.	61.	687.	686.0	684.5	683.4	60 7
8	604.	54.9	603 8	603.9	603.4	604.3	604.7	54.8	604.7	605.3	605.9	606.	55 1
9	744.8	64.7	744.8	745.3	745.6	746.1	747.	64.9	748.9	747.9	748.	748.4	65 1
10	673.4	58.6	672.9	672.9	673.1	672.9	673.	58.8	672 9	673 2	673.7	674.4	58 9
11	†697.7	60.9	697.2	697.2	697.6	697.4	697.9	61.1	697 4	698 1	698.9	699.8	61 7
12	772.9	65.9	772.5	771.5	770.4	769.1	768.9	65 8	768 0	768.1	767.8	768.	65 7
13	702.5	61.9	702.4	702.3	702.2	701.9	701.5	62.	701 1	700.6	700.3	700.2	61 8
15	797.	69.	796.9	796.7	796.4	796.	796.4	69.2	796.1	796.9	797.	797.5	69 2
16	755.1	65.5	753.8	753.6	753.6	753.2	751.	65.2	750.	748.6	748.	747.4	65 1
*17	813.7	67.1	810.2	805.3	802.1	799.1	796.5	67.2	793.7	787.2	786.5	786.	67 3
18	660.8	58.1	659.5	658.5	657.4	656.8	656.2	58.	656.2	651.9	653.2	651.2	58 2
19	585.4	52.8	585.	584.	584.	583.9	583.7	53.1	584.	584.	584.	584.4	53.2
20	614.8	55.3	614.6	614.7	615.	615.1	615.3	55.6	615.2	615.1	615.7	616.	55 4
22	679.2	60.6	679.5	680.4	680.8	681.2	682.5	60.9	683.9	683.5	680.4	685.	61 2
23	732.7	63.5	732.2	731.8	731.8	731.2	730.9	63 6	730.9	730.9	731.	730.7	63 8
24	717.	62.8	717.2	717.	716.9	716.3	716.4	62.8	716.1	716.2	716.5	716.9	63
25	819.1	69.8	817.1	816.	815.6	814.	813.8	69 5	814.5	813.5	813.2	813.	69 2
*26	720.1	63.2	719.7	718.7	718.5	718.1	717 7	63.2	717.7	717.2	717.4	717.2	63 4
27	758.9	65.3	757.1	755.9	754.9	753.2	753.3	65.	750.9	749 6	748.4	748.	64.4
29	633.8	56.2	634.2	634.2	634.8	634.9	634.6	56.6	635.1	636.1	636.7	637.8	57 1
30	685.2	60.5	685.3	685.3	685.4	685.5	686.	60.8	686.1	687.1	687.2	687.4	61 8
Means	716.1	62.4	716.3	714.7	714.3	714.1	713.8	62.4	713.0	713.0	713.0	713.0	62.5

[97]

2067.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Gottingen time	6 00	6 06	6 12	6 18	6 24	6 30	6 36	6 42	6 48	6 54
Observatory time	0 19½	0 25½	0 31½	0 37½	0 43½	0 49½	0 55½	1 01½	1 07½	1 13½
May 1	549.8	550.6	550.8	549.4	549.8	550.2	549.5	549.6	548.6	549.
2	549.5	547.6	545.8	544.4	542.5	543.1	542.9	542.8	542.8	543.9
3	562.2	565.2	567.9	568.1	566.3	565.2	566.	565.7	563.8	564.3
4	552.9	553.6	553.6	549.8	547.8	547.1	547.8	548.2	549.5	550.6
6	551.5	550.8	550.9	550.	548.4	547.2	546.9	545.9	545.7	547.3
7	545.6	545.6	546.4	†547.4	546.5	546.1	545.9	546.1	544.9	545.7
8	555.2	554.1	558.2	563.9	568.9	571.7	572.6	573.8	573.7	570.6
9	554.1	553.8	554.3	554.5	550.1	553.6	553.5	553 4	553.4	551.7
10	545.6	545.5	545.1	545.	545.1	545.4	545.9	546.	545.4	545.5
11	545.3	544.9	545.3	545.9	545.9	546.4	546.3	546.1	546.	545.5
13	544.2	544.9	545.1	544.3	544.7	544.1	545.2	546.3	546.7	546.9
14	557.	557.6	558.9	559.1	558.	557.5	557.7	556.7	555.7	555.3
15	549.3	549.1	549.1	549.4	550.7	551.1	549.8	549.6	550.3	550.7
16	544.3	544.4	544.1	544.2	544.7	544.9	544.	544.2	544 1	544.5
17	546.5	546.3	546.9	547.	546.1	545.	544.8	545.	545.6	545.6
18	545.6	545.6	546.3	545.2	546.	545.8	546.1	546.2	546.2	546.2
20	546.8	546.9	547.	546.6	546.7	546.7	546.9	546.8	547.6	547.3
21	547.8	547.5	547.5	547.8	548 5	548.2	548.2	548.1	548.3	548.6
22	544.6	545.7	544.4	543.5	544.3	544.2	543.7	543.9	544.2	544.4
*23	560.1	564.1	573.5	578.4	574.2	562.5	553.6	549.6	551.8	554.4
24	546.6	546.8	546.9	546.3	546.7	547.	547.1	547.	546.8	546.8
25	543.9	544.5	544.7	545.	544.8	545 2	546.	546.3	547.1	546.2
27	552.	550.8	550.7	549.2	544.5	544.1	544.5	540.6	539.	540.5
28	549.4	549.7	550.2	550.3	549.3	549.4	549.9	549.4	549.5	550.1
29	547.4	547.3	547.	546.8	547.4	547.8	547.1	547.1	546.7	546.6
30	546.1	547.1	547.2	548.	550.1	552.1	551.6	551.2	552.6	552.5
31	547.8	547.9	548.2	548.2	548.	548.1	548.2	548.6	548.9	548.9
Means	549.3	549.6	549.8	550.2	549.8	549.6	548.5	549.	549.	549.2

* See disturbance observations.

† One minute late.

Göttingen time Observatory time	*h. m.* 7 00 1 19½	*h. m.* 7 06 1 25½	*h. m.* 7 12 1 31½	*h. m.* 7 18 1 37½	*h. m.* 7 24 1 43½	*h. m.* 7 30 1 49½	*h. m.* 7 36 1 55½	*h. m.* 7 42 2 01½	*h. m.* 7 48 2 07½	*h. m.* 7 54 2 13½
May 1	549.1	548.8	549.6	549.2	549.8	549.8	549.7	548.9	548.2	548.8
2	546.7	548.1	548.8	549.3	550.4	550.5	550.7	551.9	552.3	552.8
3	560.9	559.6	557.2	555.1	555.9	556.2	557.6	558.4	558.7	558.7
4	549.9	552.1	551.3	550.5	550.4	550.3	550.3	550.7	550.1	550.1
6	548.7	550.2	550.5	549.6	550.4	550.5	550.4	550.7	551.9	552.2
7	544.8	544 6	544.4	544 5	543.8	543.	543.2	†544.2	544.2	542.5
8	568.3	563.9	561.1	559.3	556.3	553.3	551.3	550.	†549.6	549.1
9	551.6	551.7	552.7	552.5	552.3	552.7	552.6	552.4	550.5	549.2
10	545.6	545.3	545 6	545.4	545.4	545.2	545.6	545.5	545.7	545.7
11	546.2	546.3	546.	546.1	†547.3	546.6	546.6	546.8	546.2	546.1
13	546.5	546.5	545.8	544.2	544.2	544.2	543.9	543.8	543.3	543.7
14	554.1	552.1	552.1	551.4	550.8	550.3	551.3	550.4	550.	550.9
15	551.3	552.3	552.4	552.6	548.3	547.8	547.7	544.7	544.4	546.3
16	544.7	544.2	544.8	544.6	544.8	544.5	544.5	544.9	545.	545.
17	545.7	545.7	545.1	545.1	545.1	545.5	546.1	546.9	547.3	547.4
18	546.	546.1	545.8	545.6	546.1	545.7	546.	545.8	545.9	545.6
20	545.9	545.3	546.5	548.1	548.8	549.4	549.	548.6	548.8	548.9
21	548.4	548.1	548.5	548.3	548.3	548.2	548.4	548.2	548.3	548.4
22	544.	544.2	544.2	544.3	544.1	544.6	544.5	544.9	544.5	544.3
*23	556.5	557.5	554.5	548.7	541.4	538.9	538.6	539.3	539 2	537.6
24	546.2	545.8	545.9	546.	546.2	545.9	546.1	546.3	546.2	545.9
25	546.8	547.2	546.	545.2	544.4	544.	543.8	544.5	543.8	541.7
27	541.1	542.2	542.6	542.7	545.1	546.3	547.2	547.7	548.2	548.7
28	549.4	548.7	547.4	547.4	546.7	546.	546.8	548.3	549.	548.5
29	546.6	546.7	546.2	546.2	546.6	546.1	546.4	546.7	546.9	546.7
30	552.3	550.2	549.2	549 2	549.3	549.3	550.4	552.5	555.2	554.1
31	548.8	549.1	549.4	550.	549.9	549.8	550.	550.	550.	550.

	Göttingen time Observatory time	h. m. 18 00 12 19½	h. m. 18 06 12 25½	h. m. 18 12 12 31½	h. m. 19 18 12 37½	h. m. 18 24 12 43½	h. m. 18 30 12 49½	h. m. 18 36 12 55½	h. m. 18 42 13 01½	h. m. 18 48 13 07½	h. m. 18 54 13 13½
239	May 1	545.	545.1	544.5	543.7	542.8	542.2	542.3	541.1	541.2	540.7
	2	538.6	540.1	538.9	540.	540.	540.	539.8	540.2	538.6	537.8
	3	542.5	541.2	539.9	539.5	539.	539.1	538.8	537.9	537.5	538.
	4	542.1	541.5	541.	541.	540.6	540.	539.3	539.	538.6	538.3
	6	536.4	535.8	535.2	534.2	535.1	534.	532.8	531.5	531.	530.4
	7	536.9	536.5	535.7	535.9	535.3	535.2	534.6	534.7	534.2	534.
	8	534 5	535.5	535.6	536.7	537.9	538.1	536.9	536.7	536.1	535.
	9	541.4	541.	540.7	540.3	540.1	539 8	540.	539.5	539.2	539.1
	10	536.5	536.7	537.8	536.9	536.7	536.5	536.1	536.2	536.1	536.2
	11	538.1	537.6	537.9	538.	537.6	537.5	537.1	537.4	537.8	537.7
	13	534.1	534.	533.6	533.1	533.	532.8	532.7	532.5	532.3	532.4
	14	536.5	535.6	535.9	535.	535.1	536.1	535.3	534.4	534.6	534.
	15	534.5	533.3	536.7	533.7	532.3	532.5	532.3	532.2	532.2	531.9
	16	540.3	539.6	541.	539.8	540.1	540.5	540.6	540.6	539.9	540.
	17	534.3	534.1	534.	533.8	533.4	533.4	533.4	533.5	533.5	533.4
	18	543.4	544.1	544.2	544.4	544.6	543.7	543.5	543.2	542.8	542.1
	20	541.8	541.3	541.1	540.2	540.4	540.2	540.5	540.5	544.7	539.8
	21	538.1	537.2	537.1	536.5	536.2	535.6	534.9	534.2	534.5	533.6
	22	540.3	539.7	539.1	539.2	538.9	537.6	536.3	535.6	535.3	534.6
	23	537.8	535 8	535.2	535.9	536.	536.9	537.1	537.4	537.9	538 1
	24	539.9	538.9	537.9	537.3	537.	536.6	536.5	536.5	536.	53ᵭ.
	25	538.5	538.2	539.	538.4	537.4	537.5	537.	537.7	538.2	538.3
	27	536.	536.8	537.	537.	537.	537.	537.2	537.1	537.2	537.2
	28	534.1	534.	533.5	533.4	533.7	533.2	533.9	534.6	534.	533.7
	29	533.5	533.3	532.6	532.8	532 9	532.7	532.8	532.	531.9	531.6
	30	537.1	536.8	536.1	536.	535.2	535.1	535.5	535.1	534.3	536.1
	31	538.7	537.6	537.7	537.4	536.7	537.	536.2	535.6	535.	534.6
	Means	538.3	537.2	537.7	537.4	537.2	537.1	536.8	536.5	536.5	536.5

Göttingen time	h. m. 2 00	h. m. 2 06	h. m. 2 12	h. m. 2 18	h. m. 2 24	h. m. 2 30	h. m. 2 36	h. m. 2 42	h. m. 2 48	h. m. 2 54
Observatory time	20 19½	20 25½	20 31½	20 37½	20 43½	20 49½	20 55½	21 01½	21 07½	21 13½
May 1	549.1	547.7	547.8	549.	551.3	557.3	560.	553.9	550 3	550.8
2	550.7	551.4	551.4	551.2	551.6	553.3	559.	554.7	552.7	547.6
3	551.5	551.3	551.1	551.3	551.1	551.1	551.2	551.	551.	551.
4	548.8	549.	549.3	549.3	549.	547.9	547.5	547.8	548.4	548.5
6	545.	545.5	545.7	544.7	545.7	545.4	545.2	545.4	545.3	545.7
7	545.5	545.	545.	545.	545.8	545.7	546.	545.	545.4	545.1
8	542.	544.4	543.8	544.	544.9	546.1	547.1	547.9	548.	551.1
9	543 4	544.3	545.2	549.8	555.4	557.	555.	552.2	549.	548.7
10	543.3	543.4	543.	544.2	543.6	544.	544.	544.	544.2	544.4
11	547.8	547.9	547.7	547.3	547.	547.	547.2	547.	546.9	546.9
13	544.2	544.	544.4	544.3	544.	544.1	544.	544.3	544.4	544.
14	547.	548.	553.	561.2	566.1	565.2	560.9	561.9	564.2	562.5
15	544.9	544.8	544.9	544.1	544.	543.5	543.	543.5	513.9	544.4
16	546.3	546.	546.	546.	546.2	546.6	546.9	546 9	546.4	546.4
17	543.1	544.2	544.4	544.4	544.5	544.6	545.	544.9	544.5	544.5
18	544.3	544.2	544.3	544.3	544.9	545.3	545.1	545.	545.3	545.
20	545.8	545.1	545.1	545.9	516.	546.3	545.9	546.1	545.9	546.1
21	542.2	541.4	541.2	541.3	541.1	542.9	543.	542.9	542.7	542.7
22	546.3	545.5	543.7	545.3	544.3	546.8	553 3	562.1	561.2	560.1
23	551.4	551.8	551.	548.	546.	546.9	547.4	548.4	549.5	549 9
24	544.2	545.3	546.2	550.9	551.6	549.	547.8	546.3	547.7	550.8
25	553.7	551.5	550.1	550.2	552.	553.2	553.2	553.2	552.	552.8
27	544.8	544.	544.1	545.6	547.4	547.	546.4	545.7	545.6	547.3
28	545.8	545.5	545.6	545.7	544.5	545.	545.	545.2	545.4	545.2
29	544.4	544.	544.	544.3	544.5	544.9	544.8	545.1	544.6	543.9
30	548.	548.	548.4	548.1	548.1	548.	548.	547.9	547.8	547.1
31	547.	546.	546.1	546.7	547.1	547.1	547.	547.5	547.	547.

2066

Göttingen time Observatory time	h. m. 3 00 21 19½	h. m. 3 06 21 25½	h. m. 3 12 21 31½	h. m. 3 18 21 37½	h. m. 3 24 21 43½	h. m. 3 30 21 49½	h. m. 3 36 21 55½	h. m. 3 42 22 01½	h. m. 3 48 22 07½	h. m. 3 54 22 13½
May 1	550.8	549.7	548.2	550.6	554.9	556.	554.7	553.7	550.6	549.2
2	548.8	555.1	557.1	558.3	558.3	560.	560.8	560.9	561.	*560.5
3	551.1	550.9	550.	550.8	551.3	551.7	551.9	551.9	551.1	551.3
4	548.3	547.5	548.1	548.	548.7	549.	548.3	548.5	548.2	549.1
6	546.6	545.9	543.8	545.6	545.3	545.	546.6	547.2	551.2	553.2
7	543.6	544 1	541.2	545.	546.	549.8	552 2	559.7	568.8	566.8
8	554.4	558.	558.	561.1	565.9	568.5	565.3	561.2	561.9	564.4
9	547.4	547.8	549.	549.9	547.3	546.8	546.1	546.2	547.5	548.2
10	544.	544.4	544.3	544.4	546.5	548.3	552.4	555.	554.7	553.9
11	547.	547.	547.4	547.	546.9	546.8	546.3	546.1	546.	546.2
13	544.	544.9	544.9	545.4	545.	544.4	543.5	544.1	544.5	544.1
14	558.1	553.3	547.7	548.3	552.9	558.4	566.5	572.7	579.4	581.6
15	545.	545.1	545.8	546.6	546.2	546.	545.8	549.3	549.8	548.2
16	546.3	546.8	546.7	546.2	546.	548.	549.3	548.9	548.6	547.7
17	545.3	545.	544.9	544.9	544.9	545.	545.	544.9	544.8	544.8
18	545.6	545.1	545.1	545.2	545.	545.	545.7	544.9	544.6	544.7
20	546.	546.	546.	546.	546.	546.	546.1	546.4	546.1	546.6
21	542.3	542.4	542.1	543.	543.3	544.	544.3	544.	544.5	545.
22	556.9	555.3	554.	553.5	553.	553.	552.6	550.	549.5	548.6
23	549.3	548 6	547.8	546.5	547.5	547.	546.5	545.5	546.	546.5
24	552.6	551.9	546.4	548.7	542.1	543.	543.4	542.7	543.4	542 6
25	551.3	549.6	549.1	549.9	550.9	550.8	550.4	549.1	548.5	548.9
27	549.2	549.4	547.9	546.6	545.6	546.9	546.1	546.5	547.2	545.5
28	545.1	545.3	545.1	545.3	545.5	545.4	545.6	547.1	547.9	548.8
29	543.9	544.3	544.1	543.9	543.4	543.	543.1	543.5	543.7	543.8
30	547.	547.4	547.9	547.9	548.	548.	548.	547.9	547.7	547.8
31	547.	547.	547.	547.1	547.	547.	547.3	547.3	547.2	547.
Means	548.	547.5	547.5	547.5	548.9	549.6	549.4	549.6	550.2	550.2

* Twenty seconds late.

SECOND MINIMUM OF DECLINATION.

(1844

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
.....	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
.....	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
May 1	560.9	561.	560.1	560.7	561	560.3	559.9	560	560.4	560.6
2	560.	558.8	....	558.8	557.9	558.8	558.9	558.9	558.4	558.0
3	562.	562.8	562.6	562.3	562.	562.1	562	562.0	562.0	562.1
4	560.1	560.3	560.4	561.1	561	562.2	561.5	560.8	561	560.6
6	557.1	557.4	557.7	557.3	559.2	558.4	557.4	557.8	557.6	558.1
7	553.3	553.1	552.2	552.4	552.6	553.1	553.4	553.7	553	553
8	555.7	556.1	555.9	554.6	553.	552.3	550.8	550.8	549.5	547.9
9	555.2	556.9	558.5	558.7	558.4	558.1	557.3	557	557.9	558.8
10	553.1	552.4	552.2	552.7	552.2	552.8	552.9	552.7	552.1	551
11	552.5	552.	551.9	551.1	550.8	550.3	550.5	549.9	549.5	549
13	555.5	555.5	556.	555.4	555.7	555.	555.3	555.1	553.1	552.1
14	562.3	562.6	564.1	562.	560.7	560.5	559.7	559.5	559.7	559.9
15	556.5	556.4	557.5	559.9	560.8	557.9	559	558.5	559.8	559.4
16	558.1	558.4	557.3	557.1	556.3	557.4	558.	557.1	558.9	558.8
17	558.	558.2	558.8	558.8	558.9	558.5	558.5	558.1	558.1	558
18	552.	552.1	552.3	553.4	553.3	553	553.3	553.9	553.1	553.9
20	557.3	557.4	557.6	557.9	557.4	557.9	557.8	557.8	557.1	557.4
21	557.1	556.5	558.4	557.9	558.9	558.3	557.9	558.7	558.9	557.7
22	551.9	554.1	553.9	557.3	555.9	555.	555.8	555.4	555.9	555.8
23	555.9	557.2	560.6	558.7	557.3	559.6	559.5	559.8	559.8	559.8
24	554.6	553.3	554.2	553.1	553.9	553.8	553.8	553.9	553.8	553
25	556.1	556.3	556.	557.1	558.6	557.9	558.9	558.9	558.3	558.6
27	559.	558.5	557.5	558.8	558.6	558.7	558.5	559	559	559.1
28	557.9	559.2	559.	559.9	559.1	559.1	557.7	557.9	557.6	557.8
29	556.9	556.9	556.6	556.9	557.	557.9	557.1	557.9	558.9	558.9
30	556.7	556.3	556.5	556.4	558.6	558.9	559.8	559.7	559.4	559.7
31	559.7	559.9	559.8	559.4	559.9	559.	559.	559.9	559.9	559.8

Göttingen time..... Observatory time.....	h. m. 11 32 5 51½	Therm., Fah.	h. m. 11 38 5 57½	h. m. 11 44 6 03½	h. m. 11 50 6 09½	h. m. 11 56 6 15½	h. m. 12 02 6 21½	Therm., Fah.	h. m. 12 08 6 27½	h. m. 12 14 6 33½	h. m. 12 20 6 39½	h. m. 12 26 6 45½	Therm., Fah.
May 1.....	1062.3	60.	1061.8	1061.4	1061.4	1061.5	1063.	60.	1065.6	1066.1	1068.3	1066.5	60.2
2.....	1080.3	68.6	1080.9	1080.7	1081.5	1081.3	1080.2	68.5	1080.1	1081.5	1081.3	1081.4	68.5
3.....	1066.9	65.7	1067.1	1068.	1067.6	1067.3	1067.1	65.6	1067.	1067.9	1068.	1068.3	65.8
4.....	1070.1	69.3	1070.3	1073.	1073.1	1073.3	1073.2	69.1	1074.2	1072.2	1073.4	1071.9	69.
6.....	1053.2	64.	1051.4	1050.2	1049.4	1049.4	1049.6	63.9	1052.2	1053.	1053.	1052.7	63.8
7.....	1043.8	62.3	1041.4	1040.6	1040.8	1040.6	1040.8	62.3	1039.5	1039.	1039.2	1038.3	62.3
8.....	1049.1	62.1	1049.4	1049.7	1049.2	1048.6	1048.8	62.	1050.1	1049.9	1052.2	1052.3	62.1
9.....	1073.2	69.	1074.1	1078.	1077.5	1078.6	1078.2	68.7	1078.1	1078.4	1078.	1077.1	68.7
10.....	1054.4	62.3	1053.6	1053.5	1051.8	1053.	1053.9	62.1	1054.2	1055.4	1055.8	1055.	62.
11.....	1061.6	64.	1060.6	1060.4	1060.3	1061.1	1063.	63.9	1062.9	1061.8	1062.	1062.6	63.9
13.....	1041.	59.5	1045.6	1039.9	1040.4	1039.	1038.1	59.1	1037.2	1036.9	1036.9	1037.7	59.
14.....	1056.2	61.1	1057.	1053.1	1050.9	1048.3	1045.2	61.	1042.4	1044.3	1045.4	1046.	60.9
15.....	1048.7	61.5	1048.2	1047.2	1049.5	1049.1	1049.4	61.3	1046.4	1048.3	1050.5	1051.3	61.5
16.....	1062.2	65.5	1062.	1062.7	1063.6	1064.9	1064.6	65.4	1063.7	1062.1	1061.1	1059.8	65.3
17.....	1083.6	73.	1083.5	1083.4	1082.7	1081.9	1081.2	73.	1082.4	1083.4	1084.5	1084.7	73.
18.....	1061.6	64.3	1061.3	1062.1	1061.2	1061.3	1061.1	64.	1062.1	1063.	1062.6	1062.7	63.9
20.....	1060.6	66.6	1058.9	1059.4	1058.6	1058.2	1058.2	66.3	1058.2	1058.9	1059.	1059.7	66.1
21.....	1060.1	69.5	1058.3	1061.8	1062.9	1065.7	1066.3	69.3	1067.6	1068.	1068.5	1067.4	69.1
22.....	1034.7	56.3	1035.6	1037.7	1039.	1041.6	1041.5	56.	1045.	1050.	1048.7	1045.2	56.
23.....	1070.2	58.1	1069.4	1071.4	1070.8	1069.	1067.5	58.	1064.5	1062.5	1063.2	1060.1	58.
24.....	1070.6	64.2	1069.7	1069.5	1067.9	1068.	1067.3	64.2	1067.6	1069.6	1071.5	1071.9	64.2
25.....	1083.8	70.	1084.5	1083.4	1083.9	1085.3	1085.1	70.	1084.6	1083.3	1082.8	1084.1	70.
27.....	1097.1	73.8	1096.7	1096.6	1096.5	1097.	1097.	73.7	1097.5	1097.4	1098.3	1099.6	73.6
28.....	1090.2	72.4	1089.7	1089.2	1088.	1087.8	1087.6	72.1	1087.9	1087.9	1088.6	1089.	72.1
29.....	1089.2	71.5	1087.9	1086.5	1086.	1085.2	1084.3	71.	1084.9	1083.5	1084.	1083.9	71.
30.....	1084.8	67.9	1084.3	1083.3	1082.8	1082.3	1081.7	67.6	1081.7	1081.4	1081.2	1081.5	67.6
31.....	1075.2	70.3	1075.1	1075.4	1075.3	1075.2	1075.	70.4	1074.8	1074.9	1074.9	1076.2	70.5
Means.....	1066.2	65.6	1065.7	1065.1	1065.6	1065.2	1065.5	65.4	1065.6	1065.9	1066.4	1066.2	65.5
Reduced to 32° F.....	999.		998.5	997.9	998.4	998.4	998.7		998.8	999.1	999.4	999.2	

Göttingen time.. Observatory time.	A. m. 21 03 15 21½	Therm., Fah.	A. m. 21 08 15 27½	A. m. 21 14 15 33½	A. m. 21 20 15 39½	A. m. 21 26 15 45½	A. m. 21 32 15 51½	Therm., Fah.	A. m. 21 38 15 57½	A. m. 21 44 16 03½	A. m. 21 50 16 09½	A. m. 21 56 16 15½
May 1	1071.5	70.3	1074.8	1077.7	1078.	1078.8	1074.0	70.6	1076.9	1078.5	1077.8	1078.5
2	1064.4	73.	1065.3	1066.1	1064.5	1070.5	1072.8	73.	1078.8	1080.	1080.8	1080.4
3	1091.4	73.6	1092.8	1085.4	1084.1	1090.9	1089.4	74.1	1041.4	1088.9	1049.8	1048.7
4	1066.1	73.3	1065.9	1066.6	1067.8	1066.9	1068.	73.4	1067.6	1068.9	1066.1	1066.9
5	1059.	72.1	1058.	1058.5	1053.8	1047.	1046.5	72.7	1058.4	1058.9	1060.1	1058.1
6	1041.	66.1	1040.7	1040.7	1038.7	1039.	1038.9	66.8	1038.6	1038.7	1041.9	1039.9
7	1056.5	73.7	1057.	1058.9	1058.3	1059.1	1060.8	73.	1058.9	1059.	1060.8	1060.9
8	1047.5	70.5	1044.6	1047.8	1047.4	1049.9	1050.5	71.	1050.9	1046.6	1047.7	1048.6
9	1045.	69.	1043.8	1044.3	1045.3	1044.9	1045.	69.7	1046.	1047.8	1047.1	1048.
10	1060.9	69.7	1067.1	1067.5	1060.3	1060.	1060.8	70.5	1068.8	1068.5	1070.4	1070.6
11	1034.7	64.3	1036.8	1036.4	1037.9	1038.6	1037.3	65.	1037.3	1037.6	1037.9	1038.
12	1061.1	68.8	1062.3	1060.	1064.	1064.5	1063.7	68.3	1064.1	1061.6	1060.7	1057.6
13	1043.1	68.6	1043.1	1047.1	1044.	1049.9	1044.9	69.8	1043.1	1041.8	1047.4	1047.9
14	1078.8	73.	1078.5	1078.3	1078.5	1077.9	1077.8	74.	1077.4	1077.7	1078.4	1077.7
15	1077.	74.	1077.5	1074.9	1074.6	1073.9	1076.	74.	1076.8	1074.6	1076.4	1076.9
16	1049.5	68.1	1049.3	1047.4	1046.3	1045.	1045.9	68.7	1046.5	1046.9	1045.8	1045.9
17	1060.3	68.4	1059.1	1058.6	1058.1	1057.7	1058.4	69.6	1058.1	1060.	1059.4	1057.8
18	1058.5	67.	1056.6	1055.7	1048.8	1051.9	1044.5	67.8	1044.6	1049.9	1060.5	1058.8
19	1042.8	61.4	1033.8	1020.1	1028.	1026.5	1000.	60.	1019.1	1023.1	1030.1	1040.4
20	1065.	67.7	1063.9	1061.8	1058.3	1060.0	1060.8	67.4	1058.6	1060.7	1060.9	1060.4
21	1069.6	74.	1073.2	1075.	1076.7	1076.3	1084.5	74.4	1088.6	1087.8	1094.8	1088.9
22	1103.2	77.8	1106.8	1100.4	1089.5	1086.1	1088.4	78.	1085.8	1088.9	1084.1	1084.7
23	1089.	77.	1088.2	1086.3	1095.3	1085.	1080.1	77.1	1088.8	1088.0	1089.5	1090.8
24	1087.9	77.7	1081.2	1084.5	1086.9	1085.5	1087.4	78.4	1096.9	1094.7	1090.1	1088.4
25	1061.9	76.3	1065.6	1064.8	1089.9	1092.7	1085.2	75.6	1086.5	1089.4	1070.4	1080.9
26	1074.9	67.9	1075.	1075.6	1075.9	1075.9	1075.5	67.9	1070.	1075.5	1075.8	1074.4
27	1095.7	75.	1098.1	1093.8	1088.1	1086.7	1087.8	75.	1086.9	1086.7	1086.1	1086.9

Göttingen time Observatory time	*h. m.* 22 02 16 21½	Therm., Fah.	*h. m.* 22 08 16 27½	*h. m.* 22 14 16 33½	*h. m.* 22 20 16 39½	*h. m.* 22 26 16 45½	*h. m.* 22 32 16 51½	Therm., Fah.	*h. m.* 22 38 16 57½	*h. m.* 22 44 17 03½	*h. m.* 22 50 17 09½	*h. m.* 22 56 17 15½	Therm., Fah.
May 1	1083.1	71.2	1081.9	1085.5	1085.5	1087.1	1086.4	71.7	1084.6	1087.3	1091.2	1095.8	72.
2	1080.5	72.	1076.6	1073.6	1075.8	1074.7	1076.6	71.8	1081.	1085.1	1087.6	1087.	71.7
3	1045.3	75.5	1049.9	1052.3	1050.3	1047.9	1050.3	76.	1050.9	1050.5	1050.5	1052.7	76.5
4	1066.2	73.5	1065.4	1065.2	1064.8	1064.8	1064.	73.6	1064.7	1063.4	1062.5	1064.4	73.8
6	1057.5	73.4	1061.8	1065.9	1066.5	1070.5	1067.7	73.5	1066.5	1068.6	1067.1	1064.7	73.5
7	1032.6	67.3	1033.1	1031.9	1033.4	1032.9	1034.6	67.9	1031.4	1024.7	1027.4	1030.1	68.
8	1063.4	73.1	1061.2	1064.5	1066.3	1069.	1077.1	73.3	1075.	1070.3	1068.5	1065.7	73.5
9	1047.	71.5	1048.2	1045.1	1045.7	1044.4	1045.4	72.	1045.3	1043.4	1043.8	1045.7	73.4
10	1049.2	70.3	1050.6	1048.7	1049.	1050.	1052.4	70.9	1055.3	1056.6	1056.5	1054.8	71.
11	1072.	71.6	1073.5	1074.3	1074.7	1077.	1075.	72.6	1076.5	1079.3	1079.3	1080.	73.2
13	1039 5	65.6	1039.7	1039.1	1038.	1038.5	1040.3	66.	1041.2	1044.1	1045.9	1046.	66.3
14	1058.5	64.	1059.8	1058.8	1053.5	1052.9	1052.	64.8	1051.5	1055.4	1058.3	1062.8	65.3
15	1045.6	69.9	1041.9	1050.	1051.8	1052.5	1052 7	70 4	1058.4	1058.7	1057.5	1055.8	70.5
16	1078.7	74.7	1080.3	1080.6	1083.1	1083.6	1084.7	75.2	1085.9	1084.3	1087.1	1088.1	75.5
17	1077.6	73.5	1076.6	1075.	1073.5	1074.	1075.4	73.3	1073.9	1075.4	1075.7	1075.7	73.1
18	1047.	69.1	1047.8	1047.4	1050.9	1049.4	1048.4	69.8	1049.5	1051.	1052.5	1051.1	70.
20	1058.	70.3	1059.9	1061.	1061.8	1062.7	1063.5	70.7	1064.5	1065.4	1065.3	1065.3	71.
21	1055.3	67.3	1061.2	1052.5	1053.	1049.3	1050.1	67.2	1049.4	1046.1	1038.4	1035.2	67.
22	1050.7	62.8	1060.7	1065.	1063.3	1055.7	1049.8	63.5	1043.4	1029.8	1022.8	1018.9	64.1
23	1066.8	69.2	1063.6	1063.7	1062.1	1059.4	1061.	70.1	1062.1	1062.6	1062.7	1065.1	70.6
24	1092.4	75.4	1071.2	1072.8	1076.1	1083.5	1083.5	76.	1081.	1083.3	1089.7	1093.5	76.5
25	1085.4	78.3	1088.5	1086.4	1088.1	1090.3	1092.2	78.9	1093.3	1092 8	1093.2	1092.9	79.3
27	1091.4	77.2	1093.5	1092.8	1096.6	1095.	1096.5	77.3	1097.5	1098.7	1101.7	1103.7	77.3
28	1092.	78.6	1086.7	1089.1	1091.1	1089.	1087.3	79.	1096.6	1090.4	1095.3	1091.2	79.3
29	1069.1	76.	1070.3	1070 8	1071.	1073.9	1075.9	76.4	1075.5	1075.4	1076.3	1079.2	76.5
30	1075.2	68.	1076.4	1076.8	1078.1	1076.9	1077.6	68.1	1078.3	1079.5	1078.8	1079.6	68.2
31	1091.1	75.1	1086.2	1080.6	1083.1	1080.2	1079.3	75.1	1078.3	1078.8	1084.6	1085.2	75.2
Means	1065.2	71.6	1065.5	1065.7	1066.3	1066.1	1066.6	72.	1067.1	1066.7	1067.4	1067.4	72.2
Reduced to 32° F	986.		986.1	986.1	986.7	986.3	986.6		987.1	986.5	985.8	985.2	

Göttingen time..... Observatory time.....	*h. m.* 1 02 19 21½	Therm., Fah.	*h. m.* 1 08 19 27½	*h. m.* 1 14 19 33½	*h. m.* 1 20 19 39½	*h. m.* 1 26 19 45½	*h. m.* 1 32 19 51½	Therm., Fah.	*h. m.* 1 38 19 57½	*h. m.* 1 44 20 03½	*h. m.* 1 50 20 09½	*h. m.* 1 56 20 15½
May 1.....	1102.5	72.6	1103.3	1100.9	1098 9	1094.7	1093.4	72.5	1092.3	1091.	1091.6	1088.7
2.....	1096.7	70.6	1082.5	1075.	1079.5	1087.8	1086.8	70.1	1081.2	1078.	1077.1	1079.8
3.....	1066.1	77.2	1066.6	*1066.5	1065.8	1065.7	1065.2	77.	1065.4	1065.8	1065.5	1064.7
4.....	1076.2	73.5	1076.9	1077.8	1079.1	1080.5	1081.1	73.	1080.3	1078.7	1076.2	1074.8
6.....	1079 3	73.	1081.9	1079.2	1080.7	1080.2	1083.5	72.6	1080.4	1079.	1080.1	1079.2
7.....	1050.9	69.2	1054.	1055.3	1055.6	1052.4	1053.3	68.9	1053.7	1055.5	1055.6	1054.4
8.....	1069.4	73.9	1067.5	1068.2	1072.3	1079.6	1083.2	73.9	1079.8	1082 9	1085.4	1089.9
9.....	1075.	73.3	1072 6	1072.5	1073.7	1073 3	1072.5	73.	1073.2	1072.2	1071.2	1069.5
10.....	1059.1	70.3	1058.7	1058.5	1058.7	1058.5	1058 4	69.6	1058.5	1058 3	1058.1	1057 6
11.....	1084.3	76.	1085.4	1086.4	1085 5	1085.2	1086.2	76.3	1083.3	1082.2	1081.1	1080.8
13.....	1045.1	66.3	1046.4	1016.8	1047.6	1017.	1047.4	66.1	1048.3	1017.4	1047.7	1047.3
14.....	1059.1	66.2	1060.	1061.1	1064.3	1067.6	1072.4	66.	1084.1	1079.9	1080.2	1081.5
15.....	1076.1	72.	1077.4	1079.6	1081.4	1082.1	1084.6	71.9	1081.2	1082.1	1080.5	1079.1
16.....	1093.2	76.6	1093.1	1093.6	1094.	1096.	1093.5	76.4	1093.5	1093.6	1093.2	1092.9
17.....	1087.4	72.	1086.4	1085 7	1088.9	1086.3	†1084.	71.7	1085.	1085.	1085.3	1086.5
18.....	1061.7	70.6	1065.	1063 4	1066.2	1067.9	1068.1	70.2	1068.9	1069.	1068.4	1069.3
20.....	1067.8	71.3	1067.2	1067.1	1068.4	1067.8	1068.6	71.3	1065.4	1060.4	1067.1	1067.2
21.....	1072.7	65.3	1070.9	1071.8	1071.3	1065.8	1062.1	65.	1061.5	1062.9	1062.6	1061.4
22.....	1077.6	65.4	1091.6	1104.2	1110.1	1109.2	1102.5	65.2	1103.	1101.6	1097.9	1095.6
23.....	1087.9	72.2	1089.9	1086.9	1082 5	1083.	1083.9	71.6	1081.7	1083.5	1082.3	1084.
24.....	1102.8	77.6	1107.3	1108.2	1105.3	1102.2	1096.9	77.3	1097.5	1100.	1100.8	1099.2
25.....	1106.3	80.3	1106.4	1106.6	1106.5	1103.6	1103.8	80.	1105.5	1111.2	1108.8	1104.8
27.....	1100.2	77.1	1101.7	1107.1	1108.4	1108.	1107.5	77.	1106.	1106.	1105 3	1107.4
28.....	1098.9	79.5	1096.2	1094.6	1095.0	1097.3	1098.6	79.	1099.5	1099.	1100.5	1100.3
29.....	1080.4	75.9	1079.2	1080.7	1088.3	1084.5	1083.7	75.2	1083.4	1085.3	1082.5	1082.5
30.....	1077.7	68.6	1078.1	1079.9	1079.3	1079.7	1080.3	68.6	1080.1	1080.	1079.7	1080.
31.....	1078.1	74.3	1078.5	1079.3	1076.2	1072.5	1070.9	73.8	1070.6	1071.1	1065.6	1060.9

Göttingen time..... Observatory time.....	h. m. 2 08 20 21½	Therm., Fah.	h. m. 2 08 20 27½	h. m. 2 14 20 33½	h. m. 2 20 20 39½	h. m. 2 26 20 45½	h. m. 2 32 20 51½	Therm., Fah.	h. m. 2 38 20 57½	h. m. 2 44 21 03½	h. m. 2 50 21 09½	h. m. 2 56 21 15½	Therm., Fah.
1860 May 1.....	1087.6	72.3	1086.5	1086.3	1088.7	1085.2	1080.2	72.2	1075.3	1078.1	1079.5	1079.9	72.
2.....	1066.6	69.9	1089.1	1091.1	1093.8	1094.4	1091.2	69.7	1082.7	1079.9	1076.1	1073.6	69.5
3.....	1065.	76.7	1065.	1064.9	1065.4	1065.	1065.6	76.3	1065.3	1065.5	1065.7	1065.3	76.1
4.....	1073.	72.7	1074.1	1072.3	1073.9	1074.4	1076.7	72.3	1076.3	1075.8	1074.4	1072.4	71.8
6.....	1076.6	72.3	1073.9	1073.4	1073.7	1070.5	1071.1	72.	1071.4	1071.4	1073.6	1072.9	71.4
7.....	1053.3	68.6	1053.2	1052.9	1051.9	1050.5	1049.7	68.3	1049.5	1049.9	1048.4	1050.5	68.1
8.....	1088.3	74.	1084.5	1085.6	1084.8	1086.3	1087.2	73.9	1090.5	1093.3	1092.5	1089.1	73.9
9.....	1068.7	72.7	1067.1	1066.5	1069.5	1070.	1069.2	72.3	1069.3	1069.5	1071.	1071.	72.
10.....	1056.9	69.3	1056.2	1057.	1056.4	1055.6	1056.5	68.9	1057.2	1057.4	1057.2	1057.6	68.7
11.....	1081.5	76.7	1081.7	1082.4	1082.7	1083.2	1083.6	76.8	1081.8	1082.4	1082.2	1082.7	76.9
13.....	1046.7	66.	1047.3	1047.2	1047.	1047.5	1047.8	65.9	1048.6	1047.7	1048.4	1048.6	65.8
14.....	1081.2	65.9	1085.	1086.	1092.	1092.8	1096.9	65.8	1104.9	1109.3	1113.3	1115.8	65.6
15.....	1078.7	71.7	1079.1	1078.	1078.	1077.2	1077.6	71.3	1078.8	1078.4	1077.1	1076.9	71.
16.....	1091.7	76.3	1092.4	1091.9	1092.5	1091.9	1091.9	76.3	1092.6	1092.9	1094.	1092.	76.3
17.....	1086.9	71.4	1086.7	1086.7	1084.2	1083.6	1082.8	71.3	1081.9	1081.8	1082.9	1082.	71.1
18.....	1066.9	69.9	1066.5	1065.6	1066.7	1066.5	1064.7	69.7	1065.3	1066.7	1066.9	1067.5	69.3
20.....	1065.6	71.3	1065.9	1066.5	1065.7	1065.4	1065.2	71.3	1065.9	1065.2	1066.3	1066.7	71.3
21.....	1060.1	64.8	1060.4	1061.7	1063.2	1060.9	1059.	64.3	1056.4	1055.6	1056.3	1055.9	64.1
*22.....	1092.1	65.	1089.1	1085.5	1079.4	1076.9	1075.8	64.9	1075.7	1067.9	1062.1	1061.9	64.7
23.....	1078.9	71.7	1074.2	1073.5	1078.5	1079.6	1079.	71.3	1073.7	1075.6	1074.9	1074.7	71.
24.....	1097.	77.1	1098.2	1101.3	1100.3	1098.7	1101.8	76.9	1103.7	1102.5	1101.6	1103.2	76.6
25.....	1105.8	79.8	1105.	1107.6	1104.8	1101.4	1099.9	79.7	1099.8	1099.2	1102.	1101.5	79.6
27.....	1105.8	77.	1108.5	1110.5	1110.3	1107.8	1107.4	76.9	1110.4	1109.4	1110.9	1110.9	76.8
28.....	1100.2	78.7	1100.2	1100.8	1100.5	1098.8	1098.7	78.3	1099.5	1098.8	1097.4	1097.4	78.2
29.....	1081.9	75.1	1082.2	1083.7	1085.	1084.9	1086.3	75.1	1085.5	1086.6	1087.8	1·90.3	75.
30.....	1079.7	68.9	1079.3	1078.5	1079.5	1079.5	1080.	69.	1079.5	1078.7	1080.5	1080.8	69.1
31.....	1074.8	73.3	1079.7	1078.2	1076.9	1077.7	1078.	73.2	1076.3	1075.8	1076.	1074.2	73.
Means.....	1079.	72.2	1079.1	1078.7	1079.5	1079.5	1078.6	72.	1078.5	1078.3	1078.5	1078.3	71.8
Reduced to 32° F.....	998.6		998.7	998.4	999.1	999.2	998.4		998.5	998.4	998.7	998.6	

* See disturbance observations.

Göttingen time.. Observatory time	*h. m.* 15 32 9 51½	Therm., Fah.	*h. m.* 15 38 9 57½	*h. m.* 15 44 10 03½	*h. m.* 15 50 10 09½	*h. m.* 15 56 10 15½	*h. m.* 16 02 10 21½	Therm., Fah.	*h. m.* 16 08 10 27½	*h. m.* 16 14 10 33½	*h. m.* 16 20 10 39½	*h. m.* 16 26 10 45½
May 1.....	1078.7	62.6	1081.	1081.8	1082.1	1080.6	1082.	63.1	1081.2	1078.8	1077.4	1077.7
2.....	1089.6	70.3	1089.	1087.8	1087.9	1088.9	1087.6	70.5	1088.1	1087.2	1085.9	1086.
3.....	1100.7	67.5	1100.7	1102.	1104.5	1108.3	1114.1	68.	1118.5	1121.8	1120 5	1116.
4.....	1090.7	71.	1090.2	1090.	1088.9	1086.5	1086.2	71.3	1086.7	1086.4	1084.9	1084.4
6.....	1078.5	65.7	1078.6	1081.3	1080.9	1080.2	1082.5	66.5	1085.2	1083.5	1082.1	1081.7
7.....	1070.	63.	1069.7	1070.5	1070.2	1071.6	1073.	63.	1069.1	1068.6	1064.9	1063.3
8.....	1062.6	65.7	1057.5	1060.1	1059.3	1061.1	1058.1	66.3	1057.6	1054.5	1053.2	1053.3
9.....	1084.1	68.4	1082.6	1084.2	1083.6	1082.1	1081.3	68.4	1081.	1080.6	1081.9	1081.2
10.....	1050.5	63.9	1049.9	1050.	1050.	1052.	1052.	64.	1051.1	1051.5	1052.7	1052.7
11.....	1075.9	63.5	1075.6	1074.4	1073.4	1071.4	1071.	63.4	1069.2	1067.4	1066.	1064.5
13.....	1046.2	60.	1044.3	1044.4	1044.8	1044.	1044.2	60.	1044.9	1045.8	1045.8	1046.
14.....	1071.9	60.2	1073.2	1074.3	1072.2	1073.2	1073.4	60.2	1076.2	1074.3	1073.1	1073.3
15.....	1075.7	63.5	1076.9	1076.5	1075.5	1074.2	1074.3	64.	1074.1	1073.3	1073.	1072.7
16.....	1087.8	65.8	1087.6	1090.8	1091.	1090.4	1089.7	66.	1090.1	1089.1	1088.4	1087.6
17.....	1110.3	73.3	1111.9	1111.6	1112.9	1113.3	1113.8	73.5	1114.9	1114.	1114.7	1115.6
18.....	1070.5	63.4	1073.	1072.9	1072.	1070.7	1069.3	63.4	1068.	1066.7	1064.9	1062.8
20.....	1065.9	65.2	1065.5	1064.1	1063.6	1063.2	1063.5	65.1	1063.2	1063.2	1062.5	1064.8
21.....	1081.9	67.8	1081.2	1081.1	1080.6	1080.9	1081.8	67.5	1081.6	1082.4	1083.1	1081.5
22.....	1028.3	56.5	1025.	1024.8	1026.8	1027.4	1026.8	56.8	1026.	1024.	1025.4	1027.7
23.....	1076.5	60.3	1080.6	1083.	1086.2	1093.1	1090.5	60.6	1087.8	1088.3	1087.4	1087.4
24.....	1090.4	67.	1089.2	1089.3	1090.7	1088.2	1089.1	67.5	1088.9	1088.6	1088.6	1089.
25.....	1092.	72.	1091.5	1091.6	1093.5	1094.	1093.1	72.6	1091.2	1093.1	1096.8	1095.9
27.....	1123.4	74.1	1122.7	1119.7	1117.3	1116.2	1115.3	74.	1115.2	1115.2	1114.1	1113.2
28.....	1105.4	73.1	1105.6	1105.2	1103.7	1103.1	1103.7	73.3	1104.6	1105.7	1105.6	1106.2
29.....	1100.9	71.6	1101.2	1101.9	1102.6	1103.3	1103.5	71.9	1104.	1103.9	1101.5	1101.
30.....	1090.2	68.6	1090.8	1090.4	1090.	1090.6	1090.8	68.6	1089.9	1088.1	1086.7	1086.3
31.....	1102.7	72.3	1102.5	1101.4	1102.	1101.6	1101.6	73.	1101.8	1101.2	1101.4	1100.4

Göttingen time Observatory time	h. m. 16 32 10 51½	Therm., Fah.	h. m. 16 38 10 57½	h. m. 16 44 11 03½	h. m. 16 50 11 09½	h. m. 16 56 11 15½	h. m. 17 02 11 21½	Therm., Fah.	h. m. 17 08 11 27½	h. m. 17 14 11 33½	h. m. 17 20 11 39½	h. m. 17 26 11 45½	Therm., Fah.
May 1	1078.4	63.7	1080.1	1081.2	1081.6	1082.3	1082.5	64.3	1082.1	1082.1	1083.7	1084.8	64.8
2	1086.	70.5	1086.3	1085.4	1084.5	1083.9	1084.9	70.6	1083.5	1082.7	1082.4	1080.3	71.
3	1112.6	68.4	1099.9	1108.	1104.1	1102.2	1101.1	69.	1098 7	1095.5	1093.4	1091.1	69.6
4	1082.8	71 6	1082.6	1083.2	1079 7	1079.7	1077.3	71.8	1077.5	1076.	1075.5	1077.8	73.1
5	1083.	67.3	1083.	1082.3	1080.2	1080.6	1079.1	68.	1078.4	1077.2	1079.1	1081.3	68.3
7	1063.4	63.2	1061.7	1062.5	1061.8	1059.3	1058.	63.3	1057.7	1055.7	1054.9	1054.7	63.5
8	1054.3	67.1	1050.8	1048.3	1047.5	1046.6	1045.4	68.	1044.8	1044.7	1042 7	1042.5	68.4
9	1082.1	68.5	1083.8	1081.7	1079.5	1079.5	1079.2	68.5	1076.8	1077.8	1078.2	1077.9	68.8
10	1082.6	64.3	1054.9	1054.1	1055.2	1054 1	1053.1	64.7	1049.7	1050.	1052.5	1049.6	65 2
11	1063.9	64.	1063.5	1062.7	1060.2	1061.5	1061.1	64.6	1059.9	1058.9	1058.4	1058.1	65.
13	1045.1	60.2	1045.4	1044.5	1044.3	1043.4	1040.8	60.4	1040.2	1040.4	1040.4	1041.7	60.6
14	1071.5	60.5	1072.2	1072.6	1072.	1071.2	1071.1	60.7	1071.3	1070.7	1069.4	1067.1	60.9
15	1071.5	64.2	1071.	1069.5	1070.3	1070.5	1071.2	64.6	1074.	1078.2	1080.2	1080.3	65.
16	1086.2	66.3	1086.3	1085.9	1086.4	1087.	1087.	66.7	1087.5	1083.8	1083.9	1080.9	67.2
17	1114.8	73.6	1114.8	1115.	1115.3	1115.5	1115.8	73.9	1115.9	1114.9	1113.9	1113.6	74.
18	1063.8	63.6	1065.2	1065.7	1066.	1064.5	1065.2	64.	1064.	1063.3	1062.7	1058.3	64.3
20	1063.4	65.2	1062.1	1063.4	1059.2	1059.9	1058.3	65.1	1059 6	1055.5	1054.3	1052.8	65.1
21	1078.1	67.5	1076.7	1076.7	1076.6	1078.1	1079.4	67.4	1077.5	1078.4	1073.7	1072.5	67.1
22	1031.1	57.2	1028.	1028.8	1023.1	1024.8	1026.3	57.6	1041.4	1042.5	1040.5	1046.	58.
23	1083.7	61.4	1082.8	1080.8	1082.4	1078.4	1077.3	61.9	1076.7	1074.2	1074.3	1079.7	62.8
24	1087.1	68.	1085.7	1085.6	1084.7	1084.2	1087.4	68.6	1084.5	1084.7	1086.5	1085.2	69.3
25	1096.3	73.2	1094.8	1094.6	1098.2	1099.3	1100.1	73.4	1099.5	1102.1	1103.	1100.2	74.1
27	1113.1	74.3	1111.2	1110 4	1109.4	1110.1	1107.6	74.8	1107.4	1106.3	1104.5	1103.6	75.
28	1106.7	73.7	1106.	1104.8	1107.	1107.2	1107.	74.	1107.9	1108.1	1108.2	1107.8	74.4
29	1101.9	72.	1101.6	1098.8	1099.	1100.3	1099.9	72.3	1098.9	1097.8	1096.5	1094.9	72.5
30	1085.4	68.6	1085.3	1081.	1083.	1080.1	1079.9	68.8	1076.8	1075.	1074.9	1076.	68.8
31	1100.9	73.4	1099.6	1099.8	1100.	1099.9	1099.9	74.1	1099.	1100.8	1099.9	1101.1	74.5
Means	1080.3	67.1	1079.1	1078.4	1078.2	1078.3	1078.	67.5	1077.1	1076.9	1076.5	1076.3	67.8
Reduced to 32° F	1010.1		1008.9	1008.2	1007.8	1007.7	1007.		1006.	1005.7	1005.1	1004.7	

agen time.. / observatory time.	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
May 1	806.5	72.	808.	809.2	810.4	811.4	812.3	72.3	812.6	813.7	815.6	816.1
2	840.2	72.6	840.	810.	839.8	840.1	839.8	72.3	840.	839.2	838.1	837.9
3	853.2	76.	854.8	856.	857.2	858.3	859.8	76 6	861.1	862.2	863.3	865.
4	859.1	74.5	859.1	858.9	858.2	858.	857.9	74.7	858.	858.	858.	857.9
6	830.9	73.8	832.6	833.5	835.2	836.4	837.6	73.9	838.3	839.6	840.1	840.7
7	755.2	68.4	756.5	757.2	758.	759.1	760.2	68.8	761.5	762.5	763.	766.4
8	832.9	73 9	833.	833.	832.9	832.6	833.	74.	834.	834.7	835.	835.9
9	820.4	72.8	820.9	821.3	821.9	822.9	823.	73.	823.9	824.1	823.9	825.1
10	801.2	71.7	802.5	802.9	803.2	804.3	805.1	72.	806.5	807.6	807.6	808.8
11	797.3	72.4	800.1	802.6	803.9	806.3	808.1	73.2	810.7	813.	815 1	817.
13	735.9	66.9	736.9	738.2	739.9	741.6	742.1	67.1	743.8	741.9	746.3	747.7
14	708.9	64.7	709.9	710.1	710.9	711.3	711.7	65.3	712.8	713.4	715.1	716.6
15	782.6	70.7	783.1	784.	785.4	787.3	787.4	70.9	788.1	789.7	790.6	791.6
16	841.	75.2	843.	844.3	846.3	848.	850.7	75.6	852.5	853.2	855.	857.1
17	869.4	74.7	868.7	868.3	868.1	867.9	867.3	74.5	867.	866.8	866.	865.9
18	786.8	70.	787.6	787.9	788.6	781.9	789.2	70.3	790.1	790 8	791.7	792.1
20	778.4	70.4	780.7	782.5	784.5	786.	788.1	70.7	789.7	791.1	792.9	793.5
21	785.1	68.5	785.	784.9	783.5	782.8	782.3	68.3	782.1	781.8	780.9	779.8
*22	712.7	65.4	714.7	716.3	717.9	718.1	718.9	65.8	719.5	719.4	719.	720.
23	767.9	69.7	769.2	770.9	772.3	773.	774.7	70.3	775.6	777.7	778.2	780.9
24	853.7	76.	854.4	855.	856.3	857.9	859.1	76.6	860.5	861.8	863.7	865.
25	898.7	79.	899.8	900.3	†901.6	902.7	903.4	79.5	904.9	906.	907.8	908.9
27	893.6	78.	893.4	893.8	894.	894.2	894.1	77.9	894.8	895.1	895.6	896.
28	901.2	79.1	901.6	901.5	902.6	903.	903.6	80.3	904.7	906.4	908.1	909.7
29	881.3	77.5	882.3	883.1	884.4	885.1	886.	77.5	887.4	888.	888.3	889.7
30	780.8	69.	780.5	780.5	780.1	780.	780.	69.	780.	780.	780.	780.
31	865.8	75.6	866 4	866.9	866.4	866.7	866.9	75.6	866.9	867.	867.2	867.4
Means												

Göttingen time Observatory time	*h. m.* 23 04 17 23½	Therm., Fah.	*h. m.* 23 10 17 29½	*h. m.* 23 16 17 35½	*h. m.* 23 22 17 41½	*h. m.* 23 28 17 47½	*h. m.* 23 34 17 53½	Therm., Fah.	*h. m.* 23 40 17 59½	*h. m.* 23 46 18 05½	*h. m.* 23 52 18 11½	*h. m.* 23 58 18 17½	Therm., Fah.
May 1	816.9	72.6	817.5	818.8	820.2	821.	822.1	72.8	823.	823.3	824.8	825.3	72.8
2	837.	72.3	837.	836.5	836.8	836.5	836.5	72.	835.9	835.4	835.	834.	71.8
3	866.7	77.1	867.1	869.7	871.5	871.9	873.7	77.5	875.3	876.7	878.	879.3	77.7
4	858.7	74.7	858.8	858.7	858.2	858.1	858.9	74.9	859 3	859.8	860.2	860.4	75.
6	840.3	73.7	840.5	840.9	841.2	841.8	842.9	73.9	843.3	843.9	845.1	844.2	73.9
7	765.7	69.1	767.5	768.2	770.2	771.3	772.2	69.2	773.1	773.1	774.9	776.3	69.3
8	836.3	74.3	837.4	838.	840.	840.	840.8	74.3	841.2	841.9	842.8	844.	74.4
9	825.2	73.3	825.7	826.6	827.7	827.9	828.9	73.6	829.3	830.4	831.2	832.3	73.7
10	809.8	72.	810.5	811.2	812.	812.9	813.1	71.7	814.6	815.	815.3	815.8	71.4
11	819.7	74.	822.5	823.2	824.8	828.	831.2	74.7	‡833.1	834.7	837.	839.2	75.2
13	748.5	67.2	749.9	750.9	†751.6	753.1	753.8	67.4	756.5	756.4	756.4	757.7	67.4
14	718.	65.8	719.7	720.7	722.7	723.	724.5	66.4	726.1	727.6	729.5	730.9	66.7
15	792.9	71.2	793.4	794.1	796.6	797.3	797.5	71.4	798.9	799.9	800.9	801.1	71.5
16	858.2	76.	859.9	861.4	863.	863.2	865.1	76.2	865.8	867.8	867.9	869.6	76.4
17	865.2	74.3	865.1	865.	864.9	864.3	863.3	74.	863.	863.	862.7	862.2	73.8
18	792.6	70.6	793.3	794.	795.	795.6	795.6	70.8	798.1	798.3	799.	800.	70.7
20	795.1	71.	798.1	799.8	801.	802.7	803.1	71.3	804.	805.	805.8	807.1	71.3
21	778.	68.2	777.1	776.9	777.	776.3	775.2	68.	774.2	774.1	773.7	773.	67.6
*22	720.8	66.	721.9	722.1	722.	722.7	723.6	66.3	723.4	724.5	724.9	725.5	66.3
23	782.5	70.9	784.8	786.6	788.8	789.5	791.5	71.4	793.2	794.	795.7	796.7	71.9
24	865.9	77.1	866.6	868.2	868.7	870.2	872.	77.6	873.2	874.9	876.5	877.9	77.6
25	909.3	80.1	910.	911.4	912.7	914.1	915.3	80 5	916.9	918.9	919.9	921.3	80.6
27	896.7	77.9	896.6	897.5	898.1	898.1	898.	78.	898.5	898.5	898.6	897.1	78.
28	911.3	80.4	913.1	914.4	915.7	917.2	918.6	80.4	920.	920.7	921.9	922.9	80.4
29	890.	77.6	890.9	891.3	891.6	892.3	892.9	77.5	893.	893.	893.7	893.3	77.3
30	780.	69.	780.2	780.2	780.3	780.3	780.3	69.1	780.3	780.8	781.1	780.9	69.2
31	868.1	75.8	867.2	867.5	868.	869.	869.	76.	869.3	869.9	870.3	870.7	75.8
Means	824.1	73.	824.9	825.7	826.6	827.3	828.1	73.2	828.9	829.7	830.5	830.7	73.2
Reduced to 32° F	270.6		271.	271.3	271.5	271.8	272.		272.8	273.6	274.4	274.5	

* See disturbance observations. † Twelve seconds late. ‡ Fifteen seconds late.

... time.. observatory time.	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
May 1	693.2	61.3	693.1	692.7	692.	691.9	691.3	61.7	691.4	691.8	691.9	692.1
2	806.8	69.5	806.1	805.8	805.6	805.1	804.4	69.6	801.1	803.8	803.7	803.8
3	770.1	66.9	769.9	769.8	769.1	769.1	769.2	67.	769.	769.2	769.1	769.2
4	815.1	70.3	815.2	813.7	813.2	813.3	812.8	70.3	812.4	812.2	813.	811.8
5	745.8	65.	744.8	743.8	742.8	742.4	741.1	64.7	739.6	739.1	738.1	737.2
7	719.1	63.2	718.1	718.	717.4	716.9	716.	63.2	715.6	714.6	713.8	713.5
8	713.8	63.	713.4	713.7	714.	713.	711.7	63.1	710.8	710.8	710.8	710.7
9	808.7	70.	807.9	807.9	806.9	806.8	806.2	70.	805.9	804.9	804.1	803.5
10	720.8	63.5	720.	719.1	718.2	718.1	717.	63.7	716.3	716.	715.1	715.
11	737.	64.9	736.8	736.3	736.	735.8	735.1	64.9	734.1	733.8	733.2	732.8
13	688.5	60.4	687.1	686.	685.5	684.3	683.5	60.4	682.9	681.9	681.2	680.9
14	703.7	61.7	703.2	702.3	702.1	701.8	701.	61.5	700.4	699.4	698.7	697.9
15	706.7	62.5	706.6	706.4	705.9	705.7	705.2	62.4	705.2	705.4	704.8	703.9
16	761.	66.4	760.7	760.7	759.8	759.7	759.	66.3	758.3	757.8	757.3	757.
17	861.1	73.9	861.	860.6	860.3	859.9	859.5	73.6	859.3	858.8	858.5	857.8
18	746.3	64.9	745.	744.5	743.5	742.9	742.2	64.7	741.3	740.9	740.6	739.5
20	772.2	67.	771.7	771.1	770.	769.8	769.	66.8	768.3	767.7	766.7	765.9
21	808.8	69.9	808.3	808.2	808.	807.6	807.3	69.6	807.	806.8	806.8	805.8
22	652.	57.8	651.7	651.2	650.8	650.7	650.8	57.8	650.9	650.9	650.	649.3
23	666.9	59.3	666.6	666.	664.9	664.4	664.	59.3	663.4	663.	662.2	661.1
24	746.2	65.3	746.2	746.2	746.	746.1	744.7	65.5	744.5	744.	743.7	743.3
25	821.3	71.	821.1	820.8	820.4	820.3	820.2	71.	819.8	820.	819.2	819.
27	867.5	74.8	867.4	867.	867.	866.5	866.	74.6	865.5	865.	864.8	863.9
28	850.6	73.	849.7	849.1	848.8	848.1	847.8	73.	846.8	846.	845.1	844.
29	837.1	72.	836.6	835.	833.8	833.1	831.7	71.9	830.3	829.3	828.8	828.
30	788.	69.	787.8	787.5	787.2	786.9	786.4	69.1	786.2	786.	786.	785.8
31	806.1	71.3	806.1	806.1	806.2	806.6	806.6	71.4	806.7	807.1	807.4	807.7
Means	762.5	66.8	762.	761.8	761.	760.7	760.2	66.7	759.6	759.3	759.1	758.8

Göttingen time..... Observatory time.....	h. m. 13 34 7 53½	Therm., Fah.	h. m. 13 40 7 59½	h. m. 13 46 8 05½	h. m. 13 52 8 11½	h. m. 13 58 8 17½	h. m. 14 04 8 23½	Therm., Fah.	h. m. 14 10 8 29½	h. m. 14 16 8 35½	h. m. 14 22 8 41½	h. m. 14 28 8 47½	Therm., Fah.
May 1.....	692.3	62.	692.9	693.6	694.	694.2	694.9	62.3	695.6	695.8	696.5	697.3	62.7
2.....	803.9	70.	804.2	804.8	805.6	805.8	806.1	70.3	806.6	806.9	807.8	808.2	70.8
3.....	769.3	67.3	769.9	770.4	769.7	769.9	770.2	67.	770.5	771.	772.1	772 4	66.2
4.....	811.7	70.6	811.	810.	811.	810.8	810.8	70.8	811.	811.	812 4	812.	71.1
6.....	736.2	64.5	735.	734.	732.8	732.3	732.2	64.6	731.3	731.3	730.9	730.5	65.
7.....	713.2	63.6	712.9	712.8	712.3	712.6	712 9	63.8	712.9	713.	713.1	713.2	63.4
8.....	710.7	63.8	710.5	710.4	710.8	711.	711.6	64.5	712.	712.4	713.2	715.2	65.
9.....	803.6	69.9	803.4	802.9	803.4	802.9	802.6	69.6	802.9	802.3	803.1	802.4	69.8
10.....	714.8	64.	714.7	714.3	714.1	714.1	714.3	64.1	714.2	714.4	715.9	716.	64.4
11.....	732.3	65.	732.	732.	731.5	731.3	732.2	65.	731.4	731.9	731.9	732.5	65.3
13.....	680.9	60.5	680.6	679.4	680.1	680.9	679.7	60.6	679.9	680.3	680.7	680.8	60.7
14.....	697.5	61.5	697.	696.5	695.8	695.3	694.3	61.5	694.1	694.1	694.2	694.	61.6
15.....	704.7	62.9	703.4	702.8	703.4	703.3	703.8	63.	703.	704.5	705.	705.1	63.5
16.....	756.8	66.3	756.1	755.7	755.5	755.	754.8	66.4	754.8	754.3	755.	755.2	66.7
17.....	857.7	73.7	856.7	856.3	855.8	855.5	855.4	73.8	854.9	855.2	854.8	854.8	73.9
18.....	738.8	64.4	737.9	737.4	737.2	736.4	736.	64.7	736.	736.	736.5	736.5	64.7
20.....	765.2	66.6	764.5	761.3	763.7	763.3	762.8	66.5	762.3	762.5	762.	761.1	66.4
21.....	805.7	69.7	805.6	804.9	805.1	804.3	804.1	69.5	803.6	803.	803.5	803.2	69.6
22.....	648.1	58.	648.1	648.	647.4	647.2	647.1	58.3	646.7	646.2	647.2	646.5	58.6
23.....	661.4	59.6	661.4	661.2	661.2	661.	660.6	59.8	660.7	661.1	661.5	661.7	60.3
24.....	743.7	65.9	744.	744.	744.1	744.5	745.	66.3	745.3	745.2	745.2	745.9	66.7
25.....	818.6	71.2	818.5	818.3	818.4	818.4	818.8	71.3	818.9	819.2	819.8	820.1	71.6
27.....	863.5	74.8	862.9	862.8	862.	862.	862.	74.9	862.1	861.8	862.9	862.9	75.
28.....	843.6	73.	843.1	842.4	842.5	841.8	841.1	72.9	840.5	840.3	840.1	840.3	73.1
29.....	827.	72.	826.8	826.2	826.	826.	825.7	72.2	826.	826.1	826.2	826.9	73.4
30.....	785.2	69.3	785.1	784.9	784.5	784.4	784.2	69.6	784.1	784.	783.9	784.1	70.
31.....	808.	71.8	808.3	808.9	809.5	810.1	810.5	72.2	811.5	812.5	813.7	814.1	72 5
Means.....	759.	66.7	758.8	758.3	758.4	758.3	758.3	66.9	758.2	758.6	758.8	759.	67.1
Reduced to 32° F.....	290.7		289.7	288.4	287.7	286.8	287.1		286.2	285.7	285.6	285.2	

Göttingen time. / Observatory time	h. m. 7 00 / 1 19½	h. m. 7 06 / 1 25½	h. m. 7 12 / 1 31½	h. m. 7 18 / 1 37½	h. m. 7 24 / 1 43½	h. m. 7 30 / 1 49½	h. m. 7 36 / 1 55½	h. m. 7 42 / 2 01½	h. m. 7 48 / 2 07½	h. m. 7 54 / 2 13½
June 1	553.1	552.3	551.2	550.5	550.1	550.2	550.9	551.	551.4	551.4
2	547.7	548.8	548.3	548 7	549.1	548.9	*548.5	548.	547.8	547.2
4	547.9	548.7	548.5	549.3	548.7	548.	547.5	547.5	547.7	547.7
5	546.	545.5	546.1	546.7	546.5	546 5	547.	546.6	546.7	546.6
6	547.5	547.3	547.5	547.1	547.4	546.9	546.9	547.1	546.8	547.7
7	549.6	549.7	549.6	549.1	549.5	549.8	549.7	549.9	549.9	550.
8	549.7	550.3	550.3	549.8	550.	550.6	550.5	550.1	550.1	550.2
10	544.4	545.8	545.7	545.8	545.3	544.2	544.2	543.9	545.7	546.3
11	546.5	546.6	547.	546.2	546.5	546.6	546.5	*546.6	546.5	546.2
12	547.6	548.1	547.8	547.2	547.4	546.3	546.7	547.1	547.2	546.7
13	547.9	548.1	548.9	549.3	549.7	549.7	549.5	549.6	549.8	549.6
14	546.5	546.6	546.6	546.7	547.	546.	546.7	546.7	546.8	546.6
15	546.5	546.5	545.9	546.2	546.5	546.2	545.5	545.8	546.2	546.5
17	549.6	545.1	538.	533.4	530.4	533.4	536.3	542.5	545.2	548.2
18	554.3	552.9	552.2	551.	550.1	549.	549.	548.9	548.8	549.2
19	550.3	550.9	550.5	550.	549.9	549.6	549.8	549.3	549.8	550.6
20	549.5	550.3	550.5	549.9	550.	550.4	550.7	549.9	550.4	550.1
21	552.6	553.1	553.	553.2	553.	553.4	553.1	553.4	552.9	552.6
22	548.5	548.5	548.1	548.1	548.1	548.3	547.6	547.8	549.	549.
24	549.7	550.5	550.5	550.2	550.4	549.5	549.6	549.3	549.9	549.2
25	549.1	548.6	549.1	549.7	547.8	549.	549.6	550.9	551.6	552.3
26	552.	552.1	552.	551.6	552.2	552.3	552.2	552.4	553.1	553.
27	549.2	548.7	549.6	549.2	549.5	549.5	549.8	549.9	550.1	550.
28	549.5	549.	549.	549.	548.6	548.5	548.8	548.5	549.2	550.
29	550.1	550.6	551.	552.	553.2	555.1	556.5	557.	556.7	556.
Means	549.	548.9	548.7	548.4	548.3	548.3	548.6	548.8	548.8	549.3

* One minute late.

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	18 00	18 06	18 12	18 18	18 24	18 30	18 36	18 42	18 48	18 54
Observatory time	12 19½	12 25½	12 31½	12 37½	12 43½	12 49½	12 55½	13 01½	13 07½	13 13½
June 1	538.3	537.4	536.9	536.	535.	534.7	533.6	533.3	533.	533.1
3	542.8	542.2	541.7	541.1	541.	540.2	540.	539.5	539.	538.3
4	539.9	539.	537.9	538.	538.	537.6	537 5	537.5	535.2	538.3
5	537.2	536.5	536.5	536.5	536.	536.	536.	536.2	536.9	536 2
6	542.9	542.3	542.1	542.4	543.3	543.1	542.1	541.3	541.6	541.7
7	537.7	537.4	537.9	537.9	538.4	539.	539.	539.3	539.4	539.3
8	538.6	538.1	537.6	537.5	537.7	537.2	536.8	536.8	536.8	537.
10	535.2	534.3	533.4	533.1	533.	533.	533.	533.1	532.9	533.3
11	535.3	534.1	534.2	535.1	534.2	533.8	534.4	534.1	534.2	534.
12	537.6	536.6	535.	533.	534.1	534.1	533.9	533.3	533.8	533.3
13	533.4	534.	532.8	532.7	532.	531.5	531.3	531.4	531.3	531.3
14	535 8	536.1	536.1	535.8	535.7	535.4	535.7	534.5	534.9	534.3
15	540.8	540.	539.9	539.4	539.	538.8	538.3	538.1	537.9	537.5
17	533.1	534.4	533.6	534.2	534.6	533.2	532.	531.7	532.	532.3
18	539.5	538.3	536.7	536.8	535.	535.8	536.2	537.	537.5	539.8
19	538.1	537.9	538.7	538.	538.5	537.	537.3	537.5	537.2	537.1
20	535.7	535.2	535.2	534.4	534.6	533.5	533.2	534.7	534.8	536.8
21	535.6	535.8	536.8	537.	535.5	534.7	532.8	532.1	534.5	532.8
22	539.7	539.3	539.5	539.5	539.6	540.6	540.8	540.7	541.7	540.3
24	532.3	532.6	533.	533.	532.9	533.1	533.	533.1	533.8	534.2
25	538.7	538.5	538.5	538.7	537.9	538.1	538.	538.2	538.1	538.
26	535.2	536.2	536.7	534.6	537.6	536.2	538.6	538.7	536.1	536.5
27	540.9	540.2	540.5	540.2	540.7	540.7	540.8	541.	541.1	540.8
28	534.5	534 4	534.2	533.3	534.4	533.2	533.	534.2	532.5	531.9
29	535.1	534 2	532.7	533.	532.7	533.2	532.5	533.	533.4	535.
Means	537.4	537.	536.7	536.3	536.5	536.3	536.	536.	536.	536.1

Göttingen time Observatory time	h. m. 2 00 20 19½	h. m. 2 06 20 25½	h. m. 2 12 20 31½	h. m. 2 18 20 37½	h. m. 2 24 20 43½	h. m. 2 30 20 49½	h. m. 2 36 20 55½	h. m. 2 42 21 01½	h. m. 2 48 21 07½	h. m. 2 54 21 13½
June *1	542 9	545.7	546.9	547.9	548.6	549.8	554.4	558.6	570.4	579.7
3	548.2	519.	548.9	548.1	548.1	548.1	547.9	548.1	548.3	548.2
4	548.2	548.3	548.	548.1	548.1	548.	547.7	547.8	547.6	547.4
5	546.1	546.	546.2	546.6	547.	546.9	546.9	547.1	547.3	546.7
6	548.	548.	547.9	548.	548.5	548.	548.6	549.4	549.5	549.1
7	546.4	516.8	547.	547.5	547.3	547.1	547.	546.4	546.9	546.7
8	544.	543.9	543.7	544.8	543.9	542.9	543.	544.	543.6	543.8
10	546.2	546.7	546.5	546.9	551.5	558.1	563.4	563.6	561.7	559.9
11	545.1	546.5	546.	545.9	545.1	545.1	545.3	545.1	545.3	‡545.4
12	544.3	545.	541.8	544.1	544.1	544.8	546.3	547.4	548.6	549.1
13	546.4	546.6	546.3	546.	545.6	545.4	545.6	545.3	545.3	545.4
14	546.	545.7	†545.9	545.1	545.2	545.2	545.7	545.9	546.5	545.4
15	547.4	546.	545.8	545.	545.1	545.	‡545.3	545.4	545.4	545.
17	566.2	567.2	562.8	560.1	557.2	‡555.2	‡555.1	554.	552.6	551.9
18	547.	547.2	546.5	547.5	547.5	547.4	548.	548.7	549.4	548.6
19	546.1	547.2	547.2	545.9	546.	546.	545.1	546.	545.5	546.9
20	548.	547.3	547.3	547.6	548.5	548.5	548.1	549.8	551.4	552.7
21	547.9	550.4	552.6	552.1	550.2	‡548.2	546.9	545.1	544.5	544.8
22	545.	545.5	544.9	544.4	544.4	544.	544.6	545.	544.8	544.
24	543.2	543.3	543.6	544.2	544.3	544.4	544.7	544.9	545.	544.9
25	516.1	545.5	544.8	544.5	545.4	545.7	544.9	544.9	545.	542.9
26	546.1	546.7	546.4	545.7	545.	545 3	546.1	546.2	545.8	545.6
27	544.9	545.	545.1	545.5	546.9	547.3	547.1	547.2	548.	548.4
28	547.9	548.	547.2	548.	546.7	547.2	546.9	545.5	546.6	546.6
29	552.7	551.6	553.4	556.1	556.9	555.2	553.4	551.8	550.5	549.4
Means	547.2	547.4	547.4	547.3	547.5	547.6	547.9	548.1	548.6	548.8

* See disturbance observations. † One minute late. ‡ Twenty-four seconds late.

FIRST MINIMUM OF DECLINATION (Continued)

Greenwich time / Observatory time	h m s 4 0 0 21 1 0	h m s 3 0 0 21 2 1	h m s 4 1 3 21 4 1	h m s 3 1 8 21 3 7	h m s 3 3 4 21 4 3	h m s 4 3 0 21 1 0	h m s 4 3 0 21 0 5	h m s 4 4 3 22 0 1	h m s 4 4 8 22 0 7	h m s 3 5 1 22 1 4
June 1	57 0.1	56 0.1	56 2.3	55 5.1	55 0.3	54 7.	51 8.	54 0	54 0.7	51 0.1
2	54 8.3	54 8.1	51 8.	51 8.1	54 7.0	51 8.	54 8.1	54 7.0	51 8.	54 7.0
3	54 7.5	54 7.5	54 7.3	54 7.1	55 7.1	54 7.3	54 7.1	54 7.	54 7.3	54 7.
4	54 0.7	54 0.5	54 7.	54 6.0	54 0.3	54 0.1	54 0.7	54 0.3	54 6.	54 6.
5	54 8.0	54 8.3	54 8.	54 8.4	54 0.0	55 0.	55 1.	55 1.	55 0.7	55 0.
6	54 5.0	54 6.	54 6.	54 6.0	54 0.3	54 0.0	54 7.3	54 7.1	54 7.	54 8.3
7	54 4.5	54 4.5	54 7.3	54 3.8	54 3.0	54 3.7	54 3.1	54 3.3	54 3.4	54 5.
8	55 3.3	55 3.0	55 4.	55 4.	55 1.0	55 1.3	55 1.3	55 0.1	54 8.0	54 7.1
9	54 5.4	54 5.1	54 6.0	54 6.3	54 6.4	54 6.1	54 6.1	54 7.3	54 7.0	55 0.7
10	54 8.5	54 8.7	54 8.0	54 7.0	54 8.	54 8.4	54 8.1	54 8.	54 8.	54 8.7
11	54 4.0	54 5.7	54 5.0	54 5.4	54 5.0	54 5.8	54 5.4	54 6.1	54 6.1	54 5.3
12	54 5.0	54 5.0	54 5.3	54 5.4	54 5.0	54 5.0	54 5.0	54 5.1	54 5.0	54 6.3
13	54 6.3	54 6.0	54 6.0	54 6.0	54 6.0	54 6.0	54 6.0	54 6.0	54 6.0	54 6.0
14	54 7.0	54 7.0	54 7.0	54 7.0	54 7.0	54 7.0	54 7.0	54 7.0	54 7.0	54 7.0
15	54 7.8	54 7.8	54 7.8	54 7.8	54 7.8	54 7.8	54 7.8	54 7.8	54 7.8	54 7.8
16	54 8.5	54 8.5	54 8.5	54 8.5	54 8.5	54 8.5	54 8.5	54 8.5	54 8.5	54 8.5
17	54 9.3	54 9.3	54 9.3	54 9.3	54 9.3	54 9.3	54 9.3	54 9.3	54 9.3	54 9.3
18	55 0.0	55 0.0	55 0.0	55 0.0	55 0.0	55 0.0	55 0.0	55 0.0	55 0.0	55 0.0
19	55 0.8	55 0.8	55 0.8	55 0.8	55 0.8	55 0.8	55 0.8	55 0.8	55 0.8	55 0.8
20	55 1.5	55 1.5	55 1.5	55 1.5	55 1.5	55 1.5	55 1.5	55 1.5	55 1.5	55 1.5
21	55 2.3	55 2.3	55 2.3	55 2.3	55 2.3	55 2.3	55 2.3	55 2.3	55 2.3	55 2.3
22	55 3.0	55 3.0	55 3.0	55 3.0	55 3.0	55 3.0	55 3.0	55 3.0	55 3.0	55 3.0
23	55 3.8	55 3.8	55 3.8	55 3.8	55 3.8	55 3.8	55 3.8	55 3.8	55 3.8	55 3.8
24	55 4.5	55 4.5	55 4.5	55 4.5	55 4.5	55 4.5	55 4.5	55 4.5	55 4.5	55 4.5
25	55 5.3	55 5.3	55 5.3	55 5.3	55 5.3	55 5.3	55 5.3	55 5.3	55 5.3	55 5.3
26	55 6.0	55 6.0	55 6.0	55 6.0	55 6.0	55 6.0	55 6.0	55 6.0	55 6.0	55 6.0
27	55 6.8	55 6.8	55 6.8	55 6.8	55 6.8	55 6.8	55 6.8	55 6.8	55 6.8	55 6.8
28	55 7.5	55 7.5	55 7.5	55 7.5	55 7.5	55 7.5	55 7.5	55 7.5	55 7.5	55 7.5
29	55 8.3	55 8.3	55 8.3	55 8.3	55 8.3	55 8.3	55 8.3	55 8.3	55 8.3	55 8.3

	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Göttingen time	13 00	13 06	13 12	13 18	13 24	13 30	13 36	13 42	13 48	13 54
Observatory time	7 19½	7 25½	7 31½	7 37½	7 43½	7 49½	7 55½	8 01½	8 07½	8 13½
June 1	563.4	562.	563.4	563.7	563.	563.2	561.7	561.	560.1	558.8
3	560.5	559.7	559.4	559.	558.7	558.	558.1	558.2	558.2	558.7
4	557.9	558.	557.9	558.	558.7	560.5	560.7	561.1	561.1	561.5
5	556.	556.6	556.7	556.7	557.6	557.9	557.7	557.4	556.8	556.2
6	558.9	559.4	559.6	560.	560.1	559.4	560.1	559.5	560.	559.7
7	557.7	556.5	557.	557.6	558.	557.8	556.7	556.2	556.1	556.1
8	558.	558.1	558.4	559.1	560.4	560.3	562.5	560.	559.	558.1
10	552.8	554.	555.5	554.1	554.5	555.8	555.2	554.7	554.8	554.
11	559.1	559.	558.4	558.5	562.1	560.4	560.2	558.8	558.8	559.
12	557.4	557.	556.9	556.5	556.4	557.3	556.5	556.3	556.5	556.6
13	567.	566.9	566.4	565.6	566 2	565.8	565.	564.2	564.6	563.5
14	561.2	560.6	560.4	560.6	561.1	561.3	561.8	562.2	563.1	563.3
15	555.2	555.1	555.3	555.	554.8	554.6	554.4	554.6	555.	555.
17	555.5	555.6	556.5	558.3	558.1	557.6	556.4	557.	556.5	558.
18	560.4	561.6	560.7	560.5	560.9	562 1	562.8	562.6	563.	562.
19	557.5	558.	558.	557.7	557.9	558.8	559 2	559.2	559.5	559.1
20	557.7	558.5	558.6	557.	556.8	557.5	557.9	557.9	558.1	557.5
21	563.	562.8	562.6	562.4	561.8	562.6	561.2	560.7	559.5	558.7
22	559.5	559.5	559.	559 5	559.9	559.	558.8	557.7	558.	557.8
24	558.	556.	557.5	558.	557.5	557.	556.5	556.9	556.2	556.
25	559.8	559.7	560.	560.	559.6	559.6	558.8	559.	558.	557.7
26	556.8	557.5	557.1	556.2	555.	555.4	554.2	553.2	553.1	553.1
27	558.2	558.6	558.5	557.6	558.8	558.4	558.4	557.9	557.1	556.
28	562.7	562.7	562.8	562.3	562.7	563.	563.	562.4	561.5	560.7
29	563.	562.1	560.8	560.6	559.3	560.8	561.2	562.5	562.4	561.6
Means	559.1	559.	559.1	559.	559.2	559.4	559.1	558.8	558.7	558.4

	Göttingen time..... Observatory time.....	*h. m.* 11 32 5 51½	Therm., Fah.	*h. m.* 11 38 5 57½	*h. m.* 11 44 6 03½	*h. m.* 11 50 6 09½	*h. m.* 11 56 6 15½	*h. m.* 12 02 6 21½	Therm., Fah.	*h. m.* 12 08 6 27½	*h. m.* 12 14 6 33½	*h. m.* 12 20 6 39½	*h. m.* 12 26 6 45½	Therm., Fah.
June	1	1072.	66.8	1070.6	1069.9	1071.	1071.8	1071.3	66.3	1072.	1071.2	1071.6	1071.8	66.1
	3	1089.8	70.1	1089.	1088.9	1088.6	1088.7	1086.3	69.8	1083.6	1081.6	1081.4	1081.	69.6
	4	1073.4	66.4	1072.8	1072.5	1072.	1071.8	1071.9	66.2	1071.	1071.4	1071.4	1071.	66.
	5	1067.	61.8	1065.	1064.3	1061.1	1063.1	1063.8	61.5	1062.6	1062.	1061.5	1061.8	61.2
	6	1063.8	64.3	1063.3	1063.	1063.	1062.6	1062.	64.3	1062.3	1063.1	1063.6	1063.4	64.3
	7	1083.4	71.7	1083.5	1082.8	1085.2	1088.1	1086.7	71.5	1087.2	1086.	1086.8	1087.1	71.4
	8	1087.1	71.2	1083.4	1082.2	1080.8	1078.6	1077.1	70.6	1076.1	1076.3	1076.9	1077.5	70.4
	10	1091.8	72.2	1092.7	1090.1	1091.	1090.8	1087.7	72.2	1086.	1085.4	1084.7	1084.2	72.2
	11	1060.6	62.8	1060.6	1061.1	1059.8	1059.5	1060.3	62.4	1059.4	1059.1	1060.2	1061.	62.3
	12	1055.5	61.6	1055.5	1055.1	1054.8	1054.3	1054.	61.3	1053.9	1054.7	1055.1	1055.8	61.2
	13	1061.8	63.5	1061.1	1060.3	1059.8	1059.6	1059.4	63.3	1060.9	1061.3	1061.9	1061.	63.5
	14	1055.7	60.5	1055.8	1055.6	1054.9	1054.	1053.4	60.2	1053.8	1053.5	1053.9	1054.	60.2
	15	1062.5	62.	1061.4	1062.1	1062.	1060.5	1060.8	61.9	1062.3	1064.	1065.1	1065.	62.
	17	1064.2	63.9	1063.8	1065.5	1065.8	1066.6	1064.9	63.9	1064.3	1065.6	1066.7	1074.2	63.9
	18	1080.	71.4	1079.6	1080.7	1080.3	1083.2	1085.3	71.5	1090.5	1090.5	1089.	1088.4	71.8
	19	1111.2	76.7	1110.3	1110.	1110.8	1110.1	1111.1	76.8	1112.2	1112.2	1114.1	1116.6	77.
	20	1110.9	77.9	1110.8	1111.9	1112.	1112.4	1112.3	77.9	1112.1	1112.1	1112.1	1112.	77.7
	21	1105.4	74.5	1104.5	1104.4	1104.6	1103.7	1103.2	74.4	1103.9	1104.	1105.	1104.3	74.3
	23	1102.9	71.8	1103.1	1103.	1102.9	1102.7	1101.6	71.5	1101.7	1101.3	1101.	1101.1	71.4
	24	1086.	67.9	1085.7	1084.3	1084.7	1083.1	1084.2	67.7	1084.7	1085.5	1085.9	1087.1	68.
	25	1100.6	71.7	1100.5	1099.2	1097.6	1095.8	1094.5	71.7	1093.5	1093.	1093.6	1093.2	71.8
	26	1101.4	75.1	1100.2	1100.5	1100.3	1100.7	1099.5	75.2	1099.	1100.	1100.9	1111.1	75.3
	27	1119.5	77.2	1118.5	1118.3	1118.6	1119.	1118.1	77.1	1118.8	1119.	1119.2	1117.	77.
	28	1124.	81.1	1123.5	1123.5	1123.5	1123.4	1123 1	81.	1123.2	1122.7	1124.	1123.9	81.
	29	*1128.4	75.5	1128.3	1128.	1128.5	1129.1	1128.1	75.2	1129.	1128.1	1126.3	1126.4	75.1

Göttingen time.. Observatory time.	h. m. 21 02 15 21½	Therm., Fah.	h. m. 21 08 15 27½	h. m. 21 14 15 33½	h. m. 21 20 15 39½	h. m. 21 26 15 45½	h. m. 21 32 15 51½	Therm., Fah.	h. m. 21 38 15 57½	h. m. 21 44 16 03½	h. m. 21 50 16 09½	h. m. 21 56 16 15½
June 1.....	1056.1	74.4	1058.	1055.	1055.2	1053.8	1055.2	74.9	1057.7	1063.3	1059.3	1053.9
3.....	1084.2	73.9	1084.8	1084.4	1084.5	1082.8	1083.4	73.3	1082.3	1082.9	1081.6	1083.9
4.....	1064.4	66.	1068.4	1070.4	1069.7	1071.8	1071.8	66.5	1072.3	1073.2	1073.2	1073.7
5.....	1065.2	69.	1066.	1063.8	1060.9	1063.9	1074.8	69.7	1055.6	1056.7	1059.1	1062.3
6.....	1087.3	72.3	1089.3	1087.9	1087.1	1087.	1086.4	73.	1086.	1084.9	1083.6	1086.7
7.....	1090.6	80.1	1094.2	1096.3	1091.9	1095.8	1097.1	80.6	1098.9	1099.3	1101.3	1101.4
8.....	1054.8	71.1	1056.6	1052.7	1048.2	1046.	1048.2	71.8	1050.2	1053.3	1057.5	1064.7
10.....	1074.1	75.	1076.5	1076.	1075.9	1075.7	1074.8	75.5	1074.2	1073.	1069.1	1064.
11.....	1047.7	66.9	1045.5	1041.7	1042.6	1046.	1045.5	67.6	1050.3	1053.6	1054.3	1053.4
12.....	1053.4	68.3	1053.4	1053.4	1054.2	1053.	1053.8	69.1	1051.6	1049.5	1049.4	1051.
13.....	1067.9	67.5	1067.1	1066.1	1073.5	1069.2	1065.7	67.5	1067.5	1063.8	1058.9	1062.7
14.....	1048.3	65.3	1052.3	1052.	1053.1	1054.7	1058.1	66.	1058.4	1059 6	1056.9	1056.6
15.....	1060.9	67.3	1064.	1064.1	1064.1	1062.7	1062.8	67.6	1063.4	1063.	1063.7	1064.8
17.....	1089.6	70.9	1090.8	1093.7	1096.	1098.2	1099.6	71.3	1093.5	1090.9	1093.3	1089.9
18.....	1105.6	81.3	1099.9	1100.2	1103.	1101.5	1100.2	81.5	1095.	1096.3	1095.2	1096.5
19.....	1117.	84.6	1114.9	1117.6	1116.5	1115.4	1119.2	85.	1118.	1117.7	1118.5	1122.1
20.....	1100.2	79.8	1104.	1106.9	1106.4	1105.8	1100.5	79.3	1104.9	1104.7	1102.4	1101.2
21.....	1116.2	76.4	1125.	1121.	1119.6	1114.7	1109.2	77.	1102.5	1101.9	1107.	1105.
22.....	1091.7	74.	1094.1	1096.2	1097.2	1097.4	1094.8	74.1	1095.8	1096.4	1095.6	1094.1
24.....	1090.7	76.9	1091.6	1089.9	1086.5	1088.8	1090.7	77.5	1087.	1090.4	1091.6	1089.7
25.....	1104.9	81.	1107.9	1107.3	1107.1	1106.9	1109.	81.	1110.1	1110.4	1109.3	1108.9
26.....	1123.5	85.9	1123.7	1123.9	1123.3	1119.5	1118.	86.2	1118.8	1123.7	1125.5	1126.6
27.....	1115.8	86.8	1115.3	1115.4	1114.6	1115.7	1117.2	87.3	1117.8	1119.6	1121.1	1121.5
28.....	1115.7	85.3	1104.4	1113.5	1123.	1122.1	1120.1	85.5	1123.5	1121.	1124.1	1119.9
29.....	1106.5	77.9	1104.5	1101.4	1097.9	1101.5	1105.	78.5	1103.4	1108.3	1106.1	1108.5
Means.....	1085.3	75.1	1086.1	1086.	1086.3	1086.	1086.4	75.5	1085.7	1086.7	1086.3	1086.5
Reduced to 32° F.	999.1		999.7	999.5	999.6	999.2	999.4		998.6	999.4	999.	999.

JUNE.] SECOND MAXIMUM OF HORIZONTAL FORCE—Continued. [1844.

Göttingen time..... Observatory time.....	h. m. 22 02 16 21½	Therm., Fah.	h. m. 22 08 16 27½	h. m. 22 14 16 33½	h. m. 22 20 16 39½	h. m. 22 26 16 45½	h. m. 22 32 16 51½	Therm., Fah.	h. m. 22 38 16 57½	h. m. 22 44 17 03½	h. m. 22 50 17 09½	h. m. 22 56 17 15½	Therm., Fah.
June 1.....	1056.	75.3	1064.	1064.	1060.3	1063.2	1055.5	76.	1058.1	1054.5	1059.3	1060.7	76.3
3.....	1082.4	74.3	1082.6	1083.1	1082.9	1082.3	1080.7	73.6	1080.1	1082.8	1084.6	1083.4	74.
4.....	1072.4	66.5	1071.2	1071.4	1069.9	1068.	1067.9	67.	1068.	1068.8	1069.3	1069.7	67.2
5.....	1069.7	70.2	1069.8	1067.7	1061.3	1064.8	1065.3	70.6	1063.7	1065.4	1068.7	1064.7	70.7
6.....	1085.2	73.8	1084.	1082 9	1083.1	1082.2	1084.5	74.6	1084.1	1084.5	1088.1	1087.	75.1
7.....	1100.4	81.	1100.7	1099.8	1101.5	1101.4	1102.1	81.2	1104.8	1108.3	1109.1	1106.8	81.4
8.....	1067.6	72.6	1070.2	1071.1	1070.	1069.2	1065.	73.2	1061.6	1057.2	1055.8	1058.5	73.7
10.....	1063.4	75.9	1059.	1073.4	1078.4	1081.1	1081.2	76.1	1084.6	1081.3	1079.2	1078.5	76.7
11.....	1055.7	68.4	1052.9	1052.1	1051.2	1050.7	1050.2	69.3	1049.9	1051.2	1052.4	1054.3	69.9
12.....	1052.6	70.	1058.3	1056.8	1067.6	1061.	1060 4	70.8	1057.5	1059.5	1068.9	1070.1	71.
13.....	1066.3	67.4	1068.3	1071.	1073.3	1072.1	1075.3	67.3	1071.9	1081.9	1073.2	1068.7	67.1
14.....	1056.9	66.8	1057.7	1054.7	1060.	1057.5	1057.5	67.4	1059.9	1058.6	1058.3	1061.3	67.8
15.....	1066.5	68.2	1068.5	1067.2	1068.3	1067.7	1067.1	68.3	1066.6	1067.2	1067.	1066.7	68.4
17.....	1092.5	71.9	1090.4	1085.1	1085.9	1088.8	1086.4	72.4	1080.9	1082.8	1076.	1075.5	72.7
18.....	1099.2	82.2	1101.2	1102.7	1100.8	1100.8	1102.3	82.7	1107.9	1108.2	1111.4	1113.7	83.
19.....	1121.1	85.3	1124.	1121.2	1119.	1116.9	1115.8	85.3	1115.9	1117.7	1119.3	1120.2	85.2
20.....	1101.2	79.1	1103.5	1105.7	1103.2	1104.1	1105.9	79.5	1102.1	1104.8	1098.2	1098.2	79.3
21.....	1097.5	76.9	1099.3	1101.6	1093.5	1096.9	1096.6	77.5	1097.	1101.2	1100.7	1106.2	77.8
22.....	1091.9	73.6	1090 4	1092.7	1093.3	1092.6	1091.5	73.7	1092.3	1091.8	1091.1	1090.2	73.4
24.....	1087.4	78.	1085.8	1087.1	1088.	1090.4	1093.3	78.6	1093.1	1088.5	1089.7	1092.6	78.8
25.....	1106.5	81.	1107.	1109.4	1109.8	1108.6	1109.5	81.3	1110.3	1110.3	1111.4	1113.	81.4
26.....	1126.3	86.7	1125.3	1124 2	1125.2	1123.2	1123.8	87.1	1120.1	1121.7	1124.8	1125.9	87.2
27.....	1123.7	87.5	1124.	1124.5	1125.4	1126.1	1123.1	87.9	1123.7	1123.3	1122.9	1125.2	88.2
28.....	1119 9	85.6	1116.8	1117.7	1116.9	1117.6	1121.	85.8	1120.2	1121.2	1120.8	1121.	85.8
29.....	1105.1	78.6	1104.	1104.2	1105.3	1105.	1105.7	*78.9	1107.1	1105.5	1106.5	1107.1	79.3

Göttingen time.. Observatory time.	h. m. 1 02 19 21½	Therm., Fah.	h. m. 1 08 19 27½	h. m. 1 14 19 33½	h. m. 1 20 19 39½	h. m. 1 26 19 45½	h. m. 1 32 19 51½	Therm., Fah.	h. m. 1 38 19 57½	h. m. 1 44 20 03½	h. m. 1 50 20 09½	h. m. 1 56 20 15½
June 1	1065.9	75.3	1070.2	1073.3	1073.6	1073.8	1092.1	74.6	1086.7	1083.3	1083.9	1085.5
3	1083.1	74.	1083.8	1083.6	1084 6	1086.5	1085.7	73.7	1086.9	1087.5	1088.4	1089.4
4	1074.9	67.5	1074.4	1074.6	1075.3	1075.	1074.2	67.1	1074.2	1074.7	1074.	1074.1
5	1079.4	72.	1078.9	1078.6	1080.9	1081.7	1081.7	71.3	1082.2	1082.3	1081.8	1083.2
6	1087.5	75.9	1091.1	1091.	1090.	1089.8	1089.6	75.3	1091.5	1090.7	1091.	1089.2
7	1102.2	80.4	1102.2	1102.2	1100.5	1100.	1101.3	80.3	1102.	1103.4	1104.6	1102.9
8	1065.5	74.8	1067.7	1072.8	1077.1	1078.6	1079.3	73.8	1080.	1080.4	1080.3	1079.5
10	1085.5	77.2	1083.4	1080.6	1084.5	1086 2	1086.6	75.7	1087.9	1089.4	1089.4	1091.5
11	1067.	71.2	1068.8	1068.8	1068.2	1068.6	1068.6	70.7	1068.6	1067.9	1068.	1065.2
12	1069.8	71.6	1071.8	1070.1	1072.4	1070.8	1071.1	70.5	1072.6	1073.	1070.9	1068.7
13	1070.9	65.4	1075.8	1076.7	1075.5	1075.4	1073.1	65.4	1070.9	1068.9	1070.7	1075.7
14	1072.1	67.8	1072.	1073.6	1073.8	1074.3	1075.5	67.8	1071.4	1074.2	1073.7	1073.2
15	1067.5	66.7	1067.6	1067.1	1066.7	1067.2	1066.5	66.8	1064.8	1065.5	1066.3	1065.
17	1096.	73.4	1090.6	1086.9	1086.	1088.5	1089.9	73.5	1090.8	1091.6	1090.2	1091.3
18	1120.9	83.5	1120.6	1120.2	1121.2	1117.1	1117.2	83.2	1119.8	1117.7	1114.9	1115.5
19	1128.8	85.	1128.5	1127.3	1127.9	1126.1	1127.4	84.7	1128.2	1129.6	1130.2	1131.5
20	1100.9	78.8	1102.9	1101.8	1099.6	1096.8	1094.9	78.8	1101.	1099.2	1101.	1100.2
21	1119.1	77.1	1116.8	1118.3	1118.7	1117.	1118.9	77.1	1119.	1118.	1116.6	1117.5
22	1094.8	71.5	1094.5	1094.7	1094.5	1095.	1094.6	70.9	1094.6	1094.6	1094.5	1092.6
24	1106.	79.2	1106.9	1107.	1107.4	1107.2	1107.5	78.8	1105.8	1105.8	1106.	1105.1
25	1111.2	81.2	1110.	1109.6	1110.7	1112.9	1113.5	81.	1113.8	1113.5	1112.9	1112.3
26	1139.6	86.5	1140.2	1139.	1138.6	1138.8	1140.2	85.8	1140.7	1140.4	1140.4	1138.6
27	1145.5	87.4	1145.2	1143.7	1144.4	1144.2	1143.4	87.	1143.4	1142.8	1142.6	1141.9
28	1124.4	85.6	1119.3	1117.2	1117.9	1118.2	1118.7	85.4	1119.9	1121.5	1120.	1120.4
29	1109.9	80.	1110.	1112.3	1114.7	1114.3	1114.1	79.9	1113.1	1112.2	1112.3	1111.3
Means	1095.5	76.4	1095.6	1095.6	1096.2	1096.1	1097.	76.	1097.5	1097.2	1097.	1096.8
Reduced to 32° F.	1006.7		1006.8	1007.	1007.8	1007.7	1008.8		1009.5	1009.4	1009.4	1009.4

Göttingen time..... Observatory time.....	*h. m.* 2 02 20 21½	Therm., Fah.	*h. m.* 2 08 20 27½	*h. m.* 2 14 20 33½	*h. m.* 2 20 20 39½	*h. m.* 2 26 20 45½	*h. m.* 2 32 20 51½	Therm., Fah.	*h. m.* 2 38 20 57½	*h. m.* 2 44 21 03½	*h. m.* 2 50 21 09½	*h. m.* 2 56 21 15½	Therm., Fah.
June 1	1084.8	74.3	1078.5	1078.5	1074.7	1074.	1071.1	74.	1075.	1082.7	1082.	1080.8	73.7
3	1089.	73.6	1088.1	1089.3	1090.5	1088.9	1087.2	73.4	1087.2	1087.3	1086.8	1086.4	73.2
4	1072.9	67.1	1073.6	1073.2	1073.4	1073.6	1073.5	67.	1073.8	1073.6	1073.2	1073.2	66.9
5	1082.8	71.2	1082.	1082.3	1081.4	1081.9	1081.6	71.	1080.5	1081.3	1081.9	1080.6	70.8
6	1088.5	75.6	1088.	1086.5	1085.8	1086.4	1086.4	75.3	1086.5	1085.4	1086.4	1087.	75.3
7	1102.9	80.3	1103.5	1103 7	1103.	1105.	1105.5	80.1	1105.4	1105.3	1105.6	1104.	79.9
8	1079.7	73.9	1079.5	1076.4	1071.2	1071.5	1070.6	73.5	1069.7	1070.	1072.3	1070.7	73.2
10	1093.	75.2	1097.2	1100.8	1106.1	1106.8	1104.7	74.9	1099.7	1096.3	1094.2	1095.6	74.8
11	1061.	70.4	1063.	1064.1	1065.	1065.3	1066.1	70.	1064.4	1064.	1063.6	1064.4	69.7
12	1068.9	70.3	1067.5	1067.2	1066.5	1065.8	1063.2	69.9	1062.	1063.	1063.8	1064.7	69.7
13	1075.4	64.8	1074.3	1073.7	1073.6	1074.3	1074.	64.4	1073.1	1072.8	1071.5	1071.2	64.2
14	1072.8	67.8	1073.5	1073.3	1073.	1073.	1074.1	67.8	1073.7	1073.4	1075.4	1074.	67.7
15	1065.9	66.7	1065.7	1066.8	1068.1	1068.3	1068.5	66.6	1068.4	1067.9	1068.5	1068.8	66.4
17	1086.4	73.3	1084.6	1087.1	1087.2	1087.5	1087.4	73.3	1084.2	1086.6	1088.9	1091.4	73.3
18	1113.4	82.9	1115.	1118.8	1116.8	1119.5	1120.3	82.3	1119.4	1118.3	1118.6	1122.2	82.2
19	1128.8	84.3	1127.2	1127.6	1128.5	1127.5	1130.1	84.	1130.5	1129.1	1128.4	1126.8	83.9
20	1102.9	78.7	1108.3	1109.	1109.2	1108.7	1106.4	78.6	1110.8	1111.3	1112.4	1110.4	78.4
21	1117.9	77.1	1116.9	1115.3	1113.	1112.	1112.9	76.9	1113.	1116.3	1117.	1116.	76.8
22	1089.9	70.2	1089.	1089.4	1090.	1089.2	1089.5	69.6	1088.7	1088.5	1090.8	1091.	69.1
24	1104.9	78.3	1105.1	1105.2	1104.9	1104.5	1104.5	77.8	1104.2	1104.9	1104.9	1104.2	77.6
25	1111.9	80.9	1111.7	1112.7	1113.5	1113.3	1113.5	80.6	1112.9	1112.3	1112.3	1116.4	80.3
26	1137.	85.1	1135.3	1135.9	1136.7	1137.7	1139.5	84.8	1138.	1138.4	1138.4	1137.7	84.4
27	1141.	86.8	1139.6	1140.6	1139 5	1140.1	1140.4	86.5	1138.1	1137.7	1137.7	1136.6	86.2
28	1119.7	84.9	1118.8	1121.7	1120.4	1118.6	1117.5	84.3	1120.2	1123.7	1120.8	1120.1	83.7
29	1110.3	79.4	1109.	1109.1	1109.3	1108.2	1108.3	78.9	1107.7	1109.7	1109.8	1110.8	78.4

Göttingen time.. Observatory time	*h. m.* 15 32 9 51½	Therm., Fah.	*h. m.* 15 38 9 57½	*h. m.* 15 44 10 03½	*h. m.* 15 50 10 09½	*h. m.* 15 56 10 15½	*h. m.* 16 02 10 21½	Therm., Fah.	*h. m.* 16 08 10 27½	*h. m.* 16 14 10 33½	*h. m.* 16 20 10 39½	*h. m.* 16 26 10 45½
June 1.....	1080.1	68.5	1081.1	1080.2	1080.2	1080.	1078.3	69.	1078.4	1079 7	1080.2	1078.9
3.....	1091.5	69.3	1090.9	1091.3	1092.3	1090.8	1089.8	69.5	1092.8	1093.5	1094.4	1094.3
4.....	1080.1	65.5	1078.3	1078.5	1080.2	1079.8	1079.3	65.6	1079.	1080.3	1081.4	1081.2
5.....	1062.3	63.	1062.1	1061.7	1060.	1058.5	1058.2	63.3	1060.2	1061.	1060.8	1060.5
6.....	1087.4	66.7	1087.9	1087.4	1087.2	1086.7	1087.	67.1	1087.5	1085.9	1085.6	1085.2
7.....	1090.2	73.3	1090.2	1089.7	1090.6	1092.4	1090.3	74.	1091.3	1091.7	1090.8	1090.
8.....	1073.9	69.6	1076.3	1076.7	1076.5	1076.2	1076.4	69.6	1075.9	1076.9	1075.7	1075.7
10.....	1097.8	73.7	1095.5	1093.4	1095.6	1095.2	1094.8	74.	1096.1	1095.1	1093.7	1092.8
11.....	1062.4	62.	1061.1	1062.9	1062.2	1061.5	1060.4	62.1	1063.4	1060.2	1059.3	1060.2
12.....	1064.7	62.9	1065.	1060.9	1063.7	1064.4	1064.3	63.3	1063.5	1064.3	1062.1	1061.3
13..	1074.2	65.8	1073.	1071.8	1072.5	1074.	1075.7	66.1	1076.1	1076.8	1077.4	1078.4
14.....	1076.1	61.1	1076.7	1077.	1079.	1077.7	1077.3	61.	1076.8	1077.7	1077.1	1077.1
15.....	1076.2	63.9	1075.8	1076.	1076.5	1076.1	1077.5	64.1	1078.2	1077.9	1078.	1079.
17.....	1100.	66.1	1101.7	1103.4	1106.4	1105.2	1104.7	66.6	1105.7	1106.7	1108.7	1109.
18.....	1104.6	75.3	1110.8	1110.8	1112.3	1114.1	1113.2	75.8	1112.8	1112.2	1111.9	1119.3
19.....	1132.8	79.2	1135.2	1135.	1134.5	1135.5	1135.8	80.	1138.4	1139.	1137.6	1139.6
20.....	1128.4	79.2	1128.2	1126.6	1126.5	1126.1	1126.9	79.5	1125.5	1125.1	1123.	1122.2
21.....	1117.3	73.5	1118.3	1118.	1115.1	1117.1	1117.5	73.4	1114.7	1111.	1111.	1110.3
22.....	1117.	70.2	1116.3	1116.6	*1115.6	†1116.8	1115.3	69.9	1115.5	1116.5	1115.6	1113.8
24.....	1105.5	70.5	1104.8	1116.6	1116.9	1117.1	1115.9	71.3	1117.6	1117.2	1115.1	1113.6
25.....	1109.7	75.	1109.9	1111.4	1111.4	1111.9	1112.2	75.5	1111.6	1111.9	1112.5	1111.5
26.....	1117.6	78.6	1115.5	1121.5	1121.3	1120.5	1119.4	79.3	1118.9	1120.2	1119.	1118.1
27.....	1133.9	79.6	1135.1	1135.7	1134.8	1135.5	1135.6	80.5	1136.9	1136.3	1135.7	1136.4
28.....	1136.4	82.6	1134.	1133.8	1132.8	1131.7	1129.6	83.8	1128.	1128.	1128.9	1127.4
29.....	1130.	75.2	1130.2	1130.	1130.7	1130.7	1131.7	75.1	1131.7	1132.	1132.1	1130.1
Means.....	1097.7	70.8	1098.3	1098.3	1098.2	1099.	1098.7	71.1	1099.	1099.2	1098.7	1098.6
Reduced to 32° F.	1020.1		1020.6	1020.4	1020.2	1020.8	1020.5		1020.7	1020.6	1019.9	1019.6

Göttingen time Observatory time	*h. m.* 16 32 10 51½	Therm., Fah.	*h. m.* 16 38 10 57½	*h. m.* 16 44 11 03½	*h. m.* 16 50 11 09½	*h. m.* 16 56 11 15½	*h. m.* 17 02 11 21½	Therm., Fah.	*h. m.* 17 08 11 27½	*h. m.* 17 14 11 33½	*h. m.* 17 20 11 39½	*h. m.* 17 26 11 45½	Therm., Fah.
June 1	1079.7	69.5	1080.8	1078.2	1078.3	1077.8	1079.4	70.1	1078.8	1077.	1076.6	1081.9	70.7
3	1092.5	69.8	1092.7	1087.1	1084.8	1083.	1085.3	70.	1085.9	1084.9	1085.2	1085.1	70.3
4	1082.7	65.5	1083.4	1081.8	1083.4	1082.5	1081.7	65.5	1080.3	1080.1	1079.7	1079.1	65.4
5	1060.4	63.7	1059.8	1059.3	1059.	1058.9	1059.1	64.3	1059.6	1060.1	1056.8	1057.4	64.6
6	1085.3	67.5	1084.6	1085.	1084.1	1083.	1083.5	68.	1083.	1081.5	1081.	1079.8	68.4
7	1088.9	71.5	1088.9	1088.1	1088.	1088.7	1089.6	75.1	1090.3	1089.5	1090.6	1090.2	75.7
8	1075.7	69.5	1074.9	1074.2	1073.	1070.9	1070.9	69.4	1070.7	1071.	1068.4	1064.4	69.4
10	1090.9	74.1	1089.1	1090.4	1090.4	1089.2	1087.8	74.3	1087.7	1087.4	1082.7	1082.6	74.5
11	1061.3	62.4	1059.1	1061.8	1064.3	1063.	1061.5	63.	1060.5	1058.6	1058.3	1059.9	63.3
12	1060.6	63.7	1061.4	1061.	1060.	1059.8	1060.7	64.	1060.2	1057.7	1058.	1058.9	64.4
13	1080.1	66.6	1080.9	1081.1	1080.	1082.2	1080.2	66.8	1079.6	1076.7	1079.3	1078.5	67.
14	1076.3	61.2	1076.6	1077.	1076.6	1077.	1076.5	61.4	1076.7	1076.2	1075.9	1075.2	61.6
15	1078.	64.5	1075.6	1074.4	1074.9	1073.9	1069.8	65.	1067.1	1070.7	1070.	1070.3	65.4
17	1106.9	67.1	1108.3	1104.6	1103.3	1102.	1101.2	67.9	1098.7	1098.2	1100.1	1100.	68.2
18	1117.5	76.3	1109.4	1117.4	1119.4	1118.5	1120.5	77.1	1122.9	1121.7	1126.6	1126.3	77.6
19	1138.	80.2	1137.4	1138.	1138.4	1142.1	1141.6	81.	1143.	1143.8	1143.	1142.8	81.6
20	1121.9	79.6	1121.	1120.8	1122.	1123.	1123.6	80.2	1123.3	1123.7	1123.	1131.7	80.5
21	1111.2	73.2	1111.2	1109.5	1112.3	1111.3	1112.7	73.4	1115.	1113.9	1114.7	1115.5	73.5
22	1115.1	70.1	1109.7	1114.4	1112.5	1111.1	1109.5	70.3	1106.8	1105.8	1108.2	1105.9	70.6
24	1112.1	71.7	1111.	1109.2	1108.9	1108.5	1109.	72.6	1107.7	1107.2	1106.3	1105.3	73.2
25	1110.5	76.	1110.8	1110.9	1111.9	1110.9	1111.	76.4	1111.1	1112.8	1114.6	1115.1	77.2
26	1117.5	80.2	1120.8	1121.9	1121.9	1121.5	1123.	81.	1124.8	1120.8	1123.5	1125.	81.6
27	1135.3	81.3	1135.3	1135.3	1134.3	1134.8	1134.8	82.2	1134.1	1132.	1133.2	1132.	*83.
28	1127.9	83.2	1126.7	1126.8	1126.1	1125.7	1125.	83.5	1125.	1124.6	1122.9	1122.7	83.7
29	1130.	75.	1129.7	1129.8	1128.6	1127.	1125.7	75.1	1125.7	1125.2	1125.	1121.5	75.3

Göttingen time.. Observatory time.	h. m. 22 04 16 23½	Therm., Fah.	h. m. 22 10 16 29½	h. m. 22 16 16 35½	h. m. 22 22 16 41½	h. m. 22 28 16 47½	h. m. 22 34 16 53½	Therm., Fah.	h. m. 22 40 16 59½	h. m. 22 46 17 05½	h. m. 22 52 17 11½	h. m. 22 58 17 17½
June 1.....	848.	75.2	848.3	849.8	851.1	852.4	853.1	75.3	854.1	854.7	855.7	856.9
3.....	846.1	74.4	846.7	847.	847.7	848.4	849.3	74.7	850.1	851.	851.7	852.
4.....	756.9	67.6	756.4	756.6	756.9	756.8	757.1	67.7	757.4	757.7	757.9	757.8
5.....	778.7	70.6	781.1	782.1	783.7	784.9	786.4	70.8	787.3	788.8	789.6	791.4
6.....	831.6	74.2	832.3	833.6	834.5	836.2	838.	75.4	840.	841.4	844.1	846.3
7.....	934.3	81.1	935.5	936.2	936.8	937.7	938.6	81.1	939.5	940.6	941.2	941.8
8.....	834.5	74.4	835.8	836.9	838.	839.4	840.2	75.2	841.2	842.	843.	843.9
10.....	871.9	76.2	871.1	870.8	870.9	871.	871.3	77.1	871.8	872.2	872.8	873.5
11.....	765.7	69.5	766.	776.8	769.8	771.1	772.2	69.9	773.9	774.6	776.1	776.9
12.....	774.4	70.7	776.2	777.8	779.9	781.4	782.8	70.9	784.2	785.9	787.2	788.7
13.....	764.7	67.6	764.9	764.9	765.	765.	764.9	67.2	764 8	764.7	764.	763.
14.....	726.1	66.9	727.2	728.7	729.9	731.2	732.6	67.1	733.6	735.	736.2	737.6
15.....	764.5	68.3	765.	765.2	765.6	765.9	765.8	68.4	766.1	766.4	766.8	767.1
17.....	807.5	72.4	808.6	809.8	810.8	811.8	812.8	72.4	813.9	814.1	814.9	815.2
18.....	937.7	82.3	938.5	940.	940.8	942.	942.9	82.6	944.4	945.6	947.1	947.4
19.....	992.7	85.2	993.5	994.1	995.2	995.4	996.2	85.3	996.7	997.4	997.9	998.5
20.....	938.4	80.1	937.6	937.	936.3	935.8	935.5	80.8	935.6	935.9	936.1	936.6
21.....	877.3	78.	877.2	878.1	877.5	878.	878.8	78.6	879.9	880.9	881.7	882.8
22.....	850.1	74.8	849.6	848.8	848.8	848.8	849.1	74.9	849.3	849.1	849.1	849.
24.....	881.4	78.4	882.7	884.	885.8	887.8	889.2	79.	890.9	892.1	893.3	894.9
25.....	938.8	82.4	939.6	940.7	941.4	942.	942.3	82.7	943.5	944.8	945.6	946.5
26.....	995.7	87.4	997.	997.8	999.5	1001.	1002.2	87.3	1003.6	1004.6	1005.8	1006.9
27.....	1021.3	88.1	1022.1	1022.6	1023.2	1023.6	1024.	88.2	1024.9	1025.1	1025.6	1026.
28.....	1005.2	86.3	1005.7	1006.3	1007.5	1008.2	1008.6	86.1	1009.9	1010 3	1011.8	1011.
29.....	907.2	78.7	907.6	906.7	910.	910.3	911.	78.9	912.	913.6	915.	915.7
Means.....	866.	76.4	866.6	867.3	868.2	869.	869.8	76.6	870.7	871.5	872.4	873.1
Reduced to 32° F.	266.6		266.7	266.9	267.3	267.5	267.7		268.	268.2	268.6	268.8

1911

MANUSCRIPT [illegible]

| Carolinagen Hosp. Observatory Hosp. | | |

Göttingen time.. Observatory time.	h. m. 12 34 6 53½	Therm., Fah.	h. m. 12 40 6 59½	h. m. 12 46 7 05½	h. m. 12 52 7 11½	h. m. 12 58 7 17½	h. m. 13 04 7 23½	Therm., Fah.	h. m. 13 10 7 29½	h. m. 13 16 7 35½	h. m. 13 22 7 41½	h. m. 13 28 7 47½
June 1	777.5	67.7	777.	776.	775.6	774.6	773.4	67.6	773.3	772.9	772.	771.8
3	818.7	70.8	818.2	817.	816.	815.1	813.3	70.7	812.1	811.6	810.6	810.
4	768.8	67.3	768.5	767.8	767.2	766.8	766.2	67.1	766.2	765.7	765.1	764.8
5	702.3	62.6	702.	701.6	701.2	700.9	700.9	62.7	700.8	700.6	700.4	700.2
6	737.	65.2	736.4	736.6	736.9	736.2	736.	65.4	736.	735.8	735.2	735.
7	839.3	72.2	839.2	839.	838.8	838.3	838.	72.3	837.6	837.7	837.2	837.3
8	835.9	71.8	834.5	833.4	833.	831.7	830.6	71.6	829.8	830.7	829.9	829.4
10	845.1	73.2	845.	844.6	844.3	844.1	843.8	73.3	844.	844.	843.9	844.2
11	726.1	64.1	725.7	724.5	723.2	722.5	721.9	64.1	721.4	720.9	719.6	719.3
12	705.3	62.5	704.8	704.2	703.8	703.6	702.8	62.5	702.	701.7	700.8	701.
13	728.5	64.7	728.5	728.3	728.	728.1	727.9	64.9	727.8	727.6	727.9	727.1
14	685.9	61.6	687.	687.	687.	687.	687.	61.6	686.8	686.8	686.6	679.5
15	701.1	63.	701.2	701.2	701.2	701.	700.8	63.2	700.7	700.8	700.8	700.8
17	726.	64.8	725.3	725.2	724.7	725.7	725.5	65.	726.	725.7	726.1	726.2
18	830.	72.4	829.9	830.1	830.3	830.6	831.1	72.8	831.8	831.4	832.3	833.
19	898.2	77.8	898.	897.6	897.8	897.8	898.	77.9	898.5	898.7	899.	898.8
20	922.7	78.9	922.9	922.2	921.6	921.1	920.9	78.9	920.7	920.1	920.	920.
21	879.7	75.3	879.	878.4	878.1	877.7	877.3	75.3	877.	876.2	875.7	874.
22	836.7	73.7	836.	835.8	834.8	832.9	831.8	72.5	831.	830.1	829.	827.9
24	776.1	68.7	775.	775.	775.	774.6	773.5	68.8	774.	774.1	773.9	773.8
25	831.3	72.6	831.	830.8	830.1	829.2	828.8	72.9	828.4	828.2	828.1	828.2
26	879.1	76.	879.	879.	879.	878.6	877.9	76.4	877.7	877.	876.7	876.8
27	908.	78.1	907.4	907.1	906.8	906.2	905.8	78.2	*905.1	905.	904.8	904.4
28	972.2	80.8	973.6	975.7	975.7	975.1	975.	80.8	975.1	974.5	974.	973.3
29	899.	75.	899.	896.3	894.9	893.	891.9	74.6	889.1	888.3	887.2	885.8
Means	809.2	70.4	808.8	808.4	808.1	808.	807.3	70.4	806.8	806.5	806.2	805.6
Reduced to 32° F.	290.8		290.4	290.	289.7	289.6	288.9		287.9	287.1	286.3	285.1

* Two minutes late.

MINIMUM OF VERTICAL FORCE—Continued.

Göttingen time..... Observatory time	*h. m.* 13 34 7 53½	Therm., Fah.	*h. m.* 13 40 7 59½	*h. m.* 13 46 8 05½	*h. m.* 13 52 8 11½	*h. m.* 13 58 8 17½	*h. m.* 14 04 8 23½	Therm , Fah.	*h. m.* 14 10 8 29½	*h. m.* 14 16 8 35½	*h. m.* 14 22 8 41½	*h. m.* 14 28 8 47½	Therm., Fah.
June 1.....	770.8	67.8	769.9	769.2	768.8	768.2	768.2	68.	769.	768.7	769.1	769.5	68.5
3.....	809.5	70.7	809.	808.1	807.8	807.4	806.4	70.6	805.9	805.6	805.3	805.2	70.5
4.....	763.9	67.	763.3	762.8	762.	761.8	761.1	67.	760.	759.4	759.1	759.2	67.
5.....	699.8	62.8	699.8	699.8	700.1	700.3	700.7	63.1	701.1	*701.1	*701.6	702.1	63.2
6.....	735.	65.8	734.1	734.1	734.8	735.	735.1	66.2	735.6	736.	736.4	736.4	66.5
7.....	837.1	72.6	837.	837.	836.8	836.8	837.	72.9	836.7	836.9	837.5	837.8	73.2
8.....	827.4	71.2	826.4	824.1	822.8	821.1	820.	70.9	819.	818.7	817.1	815.9	70.8
10.....	844.5	73.6	844.8	845.4	845.5	845 9	846.2	74.	846 2	847.	847.5	847.6	74.
11.....	718.	64.	718.	717.3	717.1	717.1	716.4	64.	716.5	716.5	716.2	715.4	63.7
12.....	700.	62.5	699.3	699.2	698.4	698.2	698.1	62.6	697.7	697.	697.6	697.3	62.8
13.....	728.	65.1	727.7	728.	728 2	728 3	728.9	65.7	729.	729.9	730.	730.8	66.
14.....	679.3	61.8	679.3	679.6	679.8	679.8	679.5	62.	679.8	674.4	679.3	680.	62.2
15.....	700.8	63.8	701.	701.2	701.5	701.7	701.9	64.1	701.9	702.2	703.	703.3	64.4
17.....	726.2	65.4	726.6	727.2	727.2	728.	727.6	65.9	727.7	728.1	728.7	728.3	66.2
18.....	833.1	73.3	833.4	833.2	833.6	833.7	834.	74.	834.8	834.6	835.7	837.1	74.4
19.....	899.	78.	899.2	899.	899.3	899.2	899.9	78.3	900.1	900.7	901.1	901.2	78.6
20.....	920.	78.8	919.5	919.6	919.	919.	918.6	79.1	918.8	918.8	918.9	919.3	80.
21.....	873.8	75.3	876.9	875.9	872.2	872.4	872.2	75.3	872.8	872.4	872.9	872.9	75.3
22.....	827.4	72.5	826 7	826.1	825.9	825.6	825.7	72.6	824.8	825.1	825.	825.1	72.2
24.....	*773.5	69.1	773.9	774.	774.	774.	774.8	69.5	775.1	775.8	776.	776.6	69.8
25.....	828.4	73.4	829.	829.7	830.	830.8	831.1	74.	831.2	832.2	832.8	834.	74.3
26.....	876.4	77.	876.2	876.2	876.8	877.	877.9	77.4	878.2	878.8	880.2	881.2	78.
27.....	904.4	78.7	904.2	904.3	904.3	904.1	904.1	79.	904.9	905.2	907.2	907.5	79.8
28.....	973.7	81.	972.5	972.5	972.9	972.9	973.	81.3	973 6	973.	973.9	974.9	81.6
29.....	884.8	74.4	883.2	882.5	881.5	880.4	879.8	74.5	879 3	878.5	877.8	877.1	74.8





174735 v. v.2
551.5 Girard college, Philadelphia. Magnetic
G518 and meteorological observatory:
Observations.

NAME	DATE	NAME	DATE

